GGCAGTGGTCATTTACTGCTGCTCTTTTACAGTTAGCTCTAAATTACTTGTTTGAACTATTTATTTCTGAA
AGGAATGTTACTCAAGCTGCCACTCCCTGCTGAAGAGCAGGAGGGAACTCTCACTGGGGGCGGAAGGAAGT
GGAGCTGGAGCAGTAACTGCCAATATGGCGGCGGAGGGTTTGGGATTTCCGTGGGTTTGAGGTCAAAAAAT
GTGGGAGAATGAAATGTGNN

Table3 3272

NNNNAGTCGACCACGCGTCTGGACTAGGCTGGGCAACATAGCAAGACCCCATCTCTACAAAAAAA
TTTTTAAATTAGCCAGAGGTGGTGGCATGCACCCGTAGTCCCAGCTGCTCGGGAGGCTGAGGCAGAAGATT
GCTCGAGCCCAGGAGTTCAAGGCTGCAGTGAGCTCTGATTGTGCCACTGCACTCCAGCCTGAGTGACAGAG
CAAAACCTGGTTTCCTAAGGGGGGGATAAAAGAGGGAGAGATGAGATCGGGGTGTCCCGCTTCTGTGCATG
TGGAGGGGGTAACTGGGAACCGTGTACTGTAGGGGATCGCACACCTTGGGGTGGAAACAGCAGCTCTCCGG
AGTTGCATGGGAGCCATGGGCAGTGGTCCTGGCTGGTGAAATGATTCTAGCCACGTGGCCCACCCAGGGGG
CAAAACAATAGAAACCTTCAGAAATGAAACGTCACCTGGCTGCAAGAAGATAGTCCCACAGGCGCCCTAGA
GATGGGGATGCCAAGTGGCTTCTCGGGAAGCTGTAAGAATCCACAGGGCATTGTAAGATGGAGGGAAATAT
TAAGTTTTCTTCGTAAAGAGGTGAGGGGGGCGAGAGCAGCAAAGGACACTGGAAAATGAGAAGCATGGATG
GGAAGTGTTGCATTGAGCATAATTTGGAGGTAAAATCTCCAACACCGTAACTGAGTGGCCTGGGGACCTGA
TAGAAAGCCTTGCTCAGGACTAAGGCAGAGTTCCCAGTTATATCGCAGATACAAAGAGACCAGGAACACGC
TTGTAATCACAGCACTTAGGGAGGCTGAGGCGGGTGGATGACCTGAGGTCAGGAGTTCGAGACCAGCCTAG
CCAACATGGTGAAACCCCCATCTCTACTAAAAATACAAAAATTAGCCAGGCGTGGTGGCACATGCCTGTAA
TCCCAGCTACTCAGGAGGCTGAGGTGGGAGAATCGCTTGAGCCCGGGAGGCAGGGGTTGCAGCGAGCTGAG
ATCGTACCACTGCACTCCAGCCTGGGCAACAGAGTGAGACCCTGTCNNNNNNNN

Table3 3273

TCGACCCACGCGTCCGCTCACAGCCCAGCCCCCTCCAGAGCCCTGCCCCACCGCACCCTGCTTCT
CCAGGGCCTAGCAGACCAGCATCTGCCCCGGTGAAGGGATGGATCAGCTGTGGGGGTGGGTGCAGAAGGTT
GCCACCTCCTACCTCAGCGGGAGTCACCTAGGAAAGATGGAGGGATTGACACTATTTTCTCAATAAAATGG
NNNNNNNNNNNNNNNNNNNNNNNGGCCCTGTGAAACTTCCTGTTCCCAGCTGCATCAGAGAGCCTGTCTG
GGGCCAAGGTTGCCAGAGATTTCTGAAGACACAGCTTGTTCCTTGTTCTTGGCTGGTGGGTGCACAAGGAC
TTCTGGAAGGGATTTAGACGGGGCTGAGTGCTAGGATTAAAGTGGGGATGGGAGTACGGCAACAGAAAAAC
CTGGGAGCTAGCAATGCACCCAGCCCTTGACTGTGCCCTGGTGGACAGCCGAGCTGTGGCTCTAGCGTGAG
CCAGTGCCTTCCTGTCCCTGCCAAGGGTGAGGCCAGAGTTGGCCCCGAGGCTAATGTTTCAGTGGGTGAGA
TTAGGTCGGCCGTACAGAGGCCGGTGGGCTCCCTGACATCCCTTCCAGGCAACCTGAAAGCACTGAAATAG
CTTATGGCCCTGTGCCAGGGACCTTGGCCCAAGCTGCTGACCTCCAGGGTGGGGAGGGAGCTACCCCCAGG
AGAAGAGTCACTCAGACAGCAGTATGAGCAAGCCAGCCAGCAGCTCCGTGCCTGCACCCAGCTCAGGGGAA
TCCCAGGGGGTTCAGATGCCCAGGAAGGAAAAGGGGACAGCGCTACTGCTATGGAATGAGACCACCACTTC
TCCTGTTGTCCTTCCCAGCTTCTCCCCAACCTCCCCTTTTCCCTAGTTTATAAGACAGGAGAAAAGGGAGA
AAGCAAAAAGTTGGAAAGAAACAGAAGAAAGATAAATAGCTAGACGACCTTGGCGCCACCACCTGGCCCTG
GTGGTTAAAATGATAATAATATTAACCCCTGACCAAAACTACTGGTGTTATCTGTAAATTCCAGACATTGT
GTGAGAAAGCACTGTAAAACTTTTTGTACTGTTAGCTGATGTAGGTAGCCCACAGTCACATTCCTCACACT
TACTTGATCTATTATGACTCTTTCACGTAGACCCCTTAGAGTTGTAAGCCCTTCAAAGGGCTAGGAATTTC
TTTTTCGGGGAGCTCGGCTCTTAAGATGCGAGTCTGCTGATGCTCCCGGCCGAATAAAAAACCTCTTCCTT
CTTAAAAAAAAAATTGGTGCGGCCGCAAGCTTATTC

Table3 3274

NNNNNNNGATTCACACAGTAAAGACAGTTGCCAAAGTAATCTGCAATGAGGAAATCAATGAAGGA
TCTGGGGTTGTACGTCATGTCTTGGTTTAGACTACACTTTAGAGGGGATATGACGGTAGGAAAACCTGGTT
GGATGTATTACAGAGACATAAACATATAAATGAGTAAGACCCGAGACCAGAATGAGGGTAATGGAGATGGA
AACAAAAATCAAACAGAAAGAGCTTTTAAGTGAAAAATTAGATCTTATAAAAGGACCATGTAATTTTAAAT
GACTCTAAAGAATTGTATTCCAGACACCTGAATGATTGATGGGATTAATACACGAGATGGGTATTGGGATA
TGGCTTATGACAGAAGATGATGCATTTAATTTTAGAACCATAGAGACAAGGTAACAAGATTTAAATCAGGA
AGAATTTAATTGTAAAATCTTATAGAAAAATATGGAAGAAGTCAGCTACACAGAGACAGCAGTTGAAAATG
AATCATTCGGCTGGGCATGGTGGCTCACGCCTGTAATCCCAGCACTTCGGGAGGCCAAGGCAGGTGGATCA
CTTGAGCTCAGGAGTTCAAGACCAGCCTGGGCAACANNNNNN

Table3 3276

ACCTAAGTAGACACTTTTTGTCTATCTTTTCGTCTGCTAAAGAGAGAGCATTGTGTAGGAGCTCT
TTAGAGTTGCTCTTAGAAGCATACTTTTGTGGAAGAGTGGGAAGAAATAATCATAAATTTATTTCACAGTT
GATGTGTGACTACTTTTTCAAGTGTATGACTTGTAAAAGTGGGATTGGTGTATTTGAGTTAGTGGATGACC
ATTTTGTAGAGTTGAATGTTGGTGTCACTGGCCTTCCTGTTTCAGATTCCAGGATCATAGCTGGTCTTGTG
CTTCAGAAAGATTTTTCtGtGTACGCGGGGAGCCAAGGAGGGAGGGTCTTCCTTTGGCATGGGATGGGGAT
GAAGTAAGGAGAGGGACTGGACCCCCTGGAAGCTGATTCACTATGGGGGGAGGTGTATTGAAGTCCtacaa
ACAACCctCaGATTTGGTGATTTCCTAGTaGAACTCACAGAAATAAAGAGCTGTTATACTGCGAAAAAAAa
acaaaacc

Table3 3277

acacgaagcacacagcaatgacgaaaacacgccaaaagaatatcttccccttctagtgttttggt
gtttccctcttcccgtttgttctcattttctacaaacgtgtaactgcttgtctatccctttcgccctggt
ctgttcttgccagttcaaccgtgggcaccccagccccattttaacttatttaattactgcgccagcccgtg

Table 6
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tgctcatcctgtaatccacaccttggagcccgagcggtgatcacctgagtcaggatttgaaccagcctggc
cacatgcgaaccctctctactaaaatcaaattagctgggttgtggcaggtgcctgtaatcccagctatttg
ggagctgagcaggagaatctcttgaacccgagggagagtttccattacagagatcacgccattgcactcag
cctggatgacacagaccaaattccatctcaaaaggaaaaaagattttactgggcatggtggtgtacacctg
tagtcccagctacttgggaactgaggcaggaggatcgtgtgagcccaggaggttgaggctgtagtgagcta
tgatcgcaccactgcactncagcctgggcgacacaagcgagaccctgtcttccaccaaacagaaagaaata
actgtctggacgTCACGGTtGGAAAAcACGAGAGTGGCTACAGCTGATGCCTTACAGATGCGTAGACAAAT
TACGAATAGGACTTGGTTGGGATTCGCTTAGCAGCAGATGGCTTTGCAGTTTCCAGGCAGCCCAAGgctTC
TGCCACTCTCAGACTGTCTCTGCGCTGAGCAGCCACTGGGGGTCCCCTGAGACAGAGTCCCCTGGGCCCTG
TGGCTGGTACCTTCCCAGCATAATGGATGATGGAGAACTCAGTCTTGTCCTTGAGCTGCTTGGGCTTCTGG
AACTTGGGGTGGCTGCCCTGCTCCGTGCACAGCTTCTCCACGAAAGACTTGTCCGTGGCTTTGGGGAACCA
GCATTCCTCGTCCAGCAGGGCCAGCACACCTGGAGGGTTGTTCGGTCGCTCGATGAGCTCGATGCAGGGCT
GTAGGTCCAGCCCAAAGTCGATGAAGTTCCACTCGATGCCCTCGCGCTGGTACTCCTCCTGCTCCAGGATG
AACATGGTGTGGTTGAAGAGCTGCTGCAGCTTCTCGTTGGTGTAGTTGATGCACAGCTGCTCGAAGGAGTT
CACCTCAAAGATCTCAAATCCAGCTATATCCAGGATCCCCAGGAAGGAAGCCCCTTGCCGATGGGTCTTGT
CCAGGGCTTTGTTCACGCGGGTGAGTATCCAGCGGAAAAGGCGCTCATATGTTGCCTTGGCCAAAGCCTCT
ACAGCAAAGTCAGCCTGTTCTTTTGTCTGAGCTTTCTGTACCACATCTCGCCCAACCTTGATACGAGGAGT
GAGGATGGATCTGGTGAAATCTGTCACATTAATTCCCATGAGGTGGCAAACTTTCTGAGCAGCTGTGTTAT
CTGGCATGGACGCCTGGTCTGTGTTTCTTTCCTTCTTGAAGACGATATTTCCAAGCTGCAGGACCGATGAT
ACCACCTTCAATATGGATAGCTGCTCCTCCTCGCTGAAACCCATGATTGCCATGGCCTCCACGGTTTCCTG
GAACATCTCATCATCCTGGGCTGCTGGGATGGGCACAAAGCCATTGGAGAGGAAGGTGTAGTTGTTGAAGC
CCTCCAAAAGCAAGTCACTTCTCATCTTCTCCTTGGCTCCAGCAATCATGTAGTAAAAGATGTGGAATGTC
CTCTCGTCTCTGGCTTGGCGAATTGCCCGTGATTTTTCTAGCAGATAGGTCTCAATGTTGGCTCCCACGAT
GTAACCCGTGACGTCGAAGTTGATGCGGATGAATTTGCCGAATCGTGAGGAGTTGTCGTTCTTCACTGTTT
TGGCGTTGCCGAAAGCCTCCAGAATCGGGTTTGCTTGTAGAAGCTGCTTTTCCAGCTCTCCCGTGATACTT
GTGTCTTTCTTGCCCTTGTGGGAGGAGGCCACCACGGCCAGGTACTGAATGACCTTCTTGGTGTTTTCGGT
TTTCCCGGCTCCAGACTCGCCTGTGCATAGAATGGACTGGTCCTCCCGATCTTGAAGCATGCTCCGGTAGG
CCGTGTCTGCGATGGCGTAGATGTGAGGCGGCATCTCGTGCCTCTTCTTGCCCTTGTACATGTCGACGATC
TTCTCCGAGTAGATGGGCAGGTGTTTATAGGGGTTGACCACCACGCAGAAGAGGCCAGAGTACGTATATAT
TAGCCCTGAGAAGTACCGCTCCCTCAGGTTGTGTAGCACGGAGGCTTCGTTGAGGCACGTCAGCTCCGCCA
TGTCCTCCACCTTGGAGAACTTGGGTGGGTTCATCTTCTGGATGTCATCTTTCCCAACCGTGACCTTCTTG
CCATTCTCCACCAGCTCCACAACCACCTCATCCCCCTTCTCCTCCTTAATGCTGCGGACGCgtggtCGACT
CCCTAta
Table3 3278
NACAGCAAATACTTCCGTAAAACAGACCATCAAGCTTTCCACTTAGAGCCCAGTGTGGCCCCAAT
ACCTTTCCTTGTCGCTCCTGCGTGCCAGTCCGCCTCCGCGTGGTCCGGCCGCTGCGCCACGCCCCCGCTCG
CCCCGCCCCTGGATTTGCTCCCTCAAAGCTGAAGTGAGGCCGGGCTGAGGCTCTTACAGTGGTCCCTGCTG
GCCCTTGGTGACGGGTCGCGTCAGTTCCGACCCGGACCCGTACGCTGCTGCGCTGACGTGGCTCCCGGAAG
TAGGGCTGGCGTAGGGCCGCCATGTTGCAGCAGGATAGTAATGATGACACTGAAGATGTTTCACTGTTTGA
TGCGGAAGAGGAGACGACTAATAGACCAAGAAAAGCCAAAATCAGACATCCAGTAGCATCGTTTTTCCACT
TATTCTTTCGAGTCAGTGCAATCATCGTCTATCTTCTCTGTGAGTTGCTCAGCAGCAGCTTTATTACCTGT
ATGGTGACAATTATCTTGTTGTTGTCGTGTGACTTTTGGGCAGTGAAGAATGTCACAGGTAGACTAATGGT
TGGCCTACGTTGGTGGAATCACATTGATGAAGATGGAAAGAGCCATTGGGTGTTTGAATCTAGAAAGGAGT
CCTCTCAAGAGAATAAAACTGTGTCAGAGGCTGAATCAAGAATCTTTTGGTTGGGACTTATTGCCTGTCCA
GTACTGTGGGTGATATTTGCCTTTAGTGCACTCTTCTCCTTCAGAGTAAAGTGGTTGGCGGTGGTTATCAT
GGGTGTGGTGCTACAAGGTGCCAACCTGTATGGTTACATCAGGTGTAAGGTGCGCAGCAGAAAGCATTTAA
CCAGCATGGCTACTTCATATTTTGGAAAGCAGTTTTTAAGACAAAACACTGGAGATGATCAGACTTCCTGA
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TTAGTCCATGTTGCAACGAGGAGTGTTGGCTTTGTTTTTCCACTTAAAAACTTTATTTATAAAAAGGAAAA
GTAGTTTTCATATTAAGTTTTTATTTCCTTTCCAGCAGTTGGGGCTAGAAAGTATGTGTTGGCACTAGAAA
CATTGTCAAGATTTGTTCTGTGGTGTAGGTATGCACATTCCATAGGTATGCACACGGCCATGTAATATCAG
TATATCCCAAGTTAATGAAAGTGTTCATTTACATAGGTAATGGAGACCTTTGCATTTTGATCCATAGAACA
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GAAAGTTTTGCTTCTATGGTAAGAGTGAGCACTTTGGCTTATGTATAAGTTAGAAATAATTGTTAGTTTTT
AATATGCACTTCGTGGGGAAATTTCTTAGACGTATGCAAGCAAGTGAAAACAATTAGGGCCAGTGGTATTA
ACTACTTTATAAAATTTTATTTTTGTTTGTAAGAAGTCATCTACTTAAGGCCCAGTTAATATAAGTGGAAT
CATCATAGTTTAAGGAATACCCAGAGATTGCTGCTGTTCTATTTATTTTACAGAAAGGGTAGCTAGATTGA
AAGCTCTTCAGTGGACCTTGAGCTAATAGATCTTTTACCACTAAAAGAGCATTATTCTCATGTCATAATGA
GAATAATAATTTACATACTTGGCATAATAAATGCCTAAAAGACATTTTATTTTCTGAATCTATTTTTTTCT
TGCTATAATGGGGATATTGTAAATTATGCATTTGTATTAATGGTATTTCTTAAAGCAATCTATGTAACTGT
AAATTAAACCAATCTACAAACTATTGTAGGCATCTGTAAATTCTGTTGTAGGTATTATAAACTTTGTTGAA
GTCTTAATCAGCAGATTATGTTGTGAATATATTTGTACATTGTTAAAATAGTTTTTAAGATTATTTGTTTA
ATTGAATAAGTGTCTTATTGGAGTGATAGCTTTGAAGGTGCAAAACTTTATATTTGTATAAAATTCTACTA
TTTACAAGGCAAAAAAAAAAAAAAATCTCATTTAACCCGTATGATAAATATGTAATACNNNN

Table 6
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Table3 3279

cacagtaaagatacaatatgaatgtACTTATACCAGCTAAGCAGCAGTAAACTGAAAGTAAAAAG
CATAGCTAGCTAGAGAGATGAATAAACAGCAATGTTTATGTCCTGCAGCCAGATGACAATGCACTGTTGCA
GAAGAATGAGTTTCAGACCTTTGCAGCTTTGGCCTTCTCTAGCTGCTGAAGCTGTTCCAGGGCAGGGCCTG
GTGTCGTGGTGTCCAGAGGAAGATCCCATACACTACCACCTTCCCAAACTGTAGGCTGTGAAGCTGTTGGC
TGAAGCTCCCAGATAGAGCCAGTATCTGGCACGGACACAGACCTAGTTACTGAGGGAATGATGTTCTGATC
AGATATTCTCATCTTCAAGGTCTGAAACTGTTGAAGAAGAAGTGCCAACTGCTGCTGCTGCTGGGAAGACA
GTGCTGCTTTCTGCTGTTGGGCCAAAACCTGTGCATATTGTTGTTGTATTAAAAACTGCTggtactgcagg
tgctgcatctggtataaggctgtgagttcttgctgcctggtcagtcgttcctggtccagctctcccatatg
aggaggggagctggacctggagaaaagggaacccttcgtcgacgcggccgcgaatttagtagtagtagtc
gacccgggaattccggaccggtacctgcaggcgtacca

Table3 3280

NNNNNNNNNNNNCGGAAGTCTTCTAGAATTAATTAACGCGGGGGCTGATGCCATTTTCAGCCTCA
GCACGCCTGCACCCAGGCGCTCATTAAAACAGCATGTTGCTCCCCACTGCCTCGTGTTGTCTGTTGGCGCG
CTGTCGGGGTTCGAACCGATACAAGAACCTTCCACCTACCTGGTGCTTTGGCCTCATCTATAAGCTTTTCC
ACTGTCCTGAAACAAGATAGAGAATCTGAGCGGCCAGTCATCTGCCCTAAGTGCTGCCGCCGAAGACTGAA
TGTCCTGGAAAGTTTGCTGTCACATCTCCATTATGACAAAAGCATTGTGCCGAACAGATGAAAAAATGCAT
TGTCAACGGAATCTTTTATGTTTGTTTGTCTTCCTTTAAGCAACATTGCCTTACTTGTTATAAAAGATAAA
TAAATATTTGTTCATTTCAAAAAAAAAAAACACCCAGCATAACACACAACAAAAACGTTTGTTGGCCGCGC
ACGAGCGACCCCGAAAAAAAGGCTTTCTACAACCCAACTCGTTGGGGGGCCCAGCGGCACCCAAAGATGAA
TATGGCGACACGTGCCCACACAGCGGGTCCCAAGAGAACCCGTGCCGAGCCACTGGGCGCTGGTTTCCCCC
CAAATAAAACGCCCGGGGGACCACGGGCCGTTCTGGACACACTCAGAGGGGCTCCGAGCGCCAAACGGGCT
ATCAACACGGGGCCAGGAGCTGAAAACCGCCCCGCGNNNNN

Table3 3281

cgcggagcctggggaagcttttccagtagtactttccggcgtgttgaccctatttcccgtgctgc
accgcagccccttTCTTTCCGGTTCTAGGCGCTTCGGGAGCCGCGGCTTATGGTGCAGACATGGCCAAGT
CCAAGAACCACACCACACACAACCAGTCCCGAAAATGGCACAGAAATGGTATCAAGAAACCCCGATCACAA
AGATACGAATCTCTTAAGGGGGTGGACCCCAAGTTCCTGAGGAACATGCGCTTTGCCAAGAAGCACAACAA
AAAGGGCCTAAAGAAGATGCAGGCCAACAATGCCAAGGCCATGAGTGCACGTGCCGAGGCTATCAAGGCCC
TCGTAAAGCCCAAGGAGGTTAAGCCCAAGATCCCAAAGGGTGTCAGCCGCAAGCTCGATCGACTTGCCTAC
ATTGCCCACCCCAAGCTTGGGAAGCGTGCTCGTGCCCGTATTGCCAAGGGGCTCAGGCTGTGCCGGCCAAA
GGCACAAGGCCAAGGCCAAGGCCAAGGCCAAGGCCAAGGCCAAGGCCAAGGATCAAACCAAGGCCCAGGCT
GCAGCCCCAGCTTCAGTTCCAGCTCAGGCTCCCAAACGTACCCAGGCCCCTACAAAGGCTTCAGAGTAGAT
ATCTCTGCCAACATGAGGACAGAAGGACTGGTGCGACCCCCCACCCCCGCCCCTGGGCTACCATCTGCATG
GGGCTGGGGTCCTCCTGTGCTATTTGTACAAATAAACCTGAGGCAGGAAAAAAAAAAAAAAAAAACAAACG
ACAAcccAAcagcaccaaaacAAAAAActcagaggccatacatgagacgggcagcagaaaacacgcgcata
acaaggggcacgtgcacaacagatgtcctcgaacccgcatgttggacacgggggaacacagcgggggaccc
cataaaaagggcggccgaacatacatcgagaaaccggggtacggaagacgcagcgaaacgacagcaagacc
acgagcccagcggccacacacgcacgcgccgtgtcgaaggtgcggtgcggggcactgacatgcagagggct
gacaacgcgctgcagctccgcgcgcacgacacacagcggatcgcccgccacgtgtgacatggctctgagcc
agcgcagtaccgcaacacgtaccaacgtgtccccgggtcgcccgtcagcagtgctcgtgagtgcagcagac
tcgaccgtcacgcacgagacacagcgacatggaaccggcgagca

Table3 3282

cTATCGTTttgctACtACACTCcAcCcTGGACAaCTGACTGaggcCttGTATTTtccttTTTTTT
TTTTTTTTTGAGCCTGGGCAATATGGTGATGCCCTGTCTCAACAAAAGATAGCTGGGCATGTCAGCATATC
CACCCCTGTAGTTCAGTTACTCAGGAGccTGAGGCGGGAGGATAGATTGCACCGTAGAGATTGAGGCTACA
GTGAGCTGTGATCGTGCCACTGCACTCCAGTCCGGGCAACATAGTGAGACCCTGTCTTAAGAAAGAAAGAA
AAAAAAGAATTCAGAGACACTAATATAAGTATGGTGGTGGGCAAAATGTGGTCAAATAGTGTTAGAAATTT
GTATCTTTTGTCTTTTTTGGTGCAGGTTTTGCAGACATTGGGTACAGAAACTTACCGGCCTAGTTCTGCCT
CACAGTGTGTGGCTGGTATTGCTTGTGCAGAGATCCCAGTAAACCAGTGGCCAGAACTCATTCCTCAGCTG
GTGGCCAATGTCACAAACCCCAACAGCACAGAGCACATGAAGGAGTCGACATTGGAAGCCATCGGTTATAT
TTGCCAAGATATAGACCCAGAGCAGCTACAAGATAAATCCAATGAGATTCTGACTGCCATAATCCAGGGGA
TGAGGAAAGAAGAGCCTAGTAATAATGTGAAGCTAGCTGCTACGAATGCACTCCTGAACTCATTGGAGTTC
ACCAAAGCAAACTTTGATAAAGAGTCTGAAAGGCACTTTATTATGCAGGTGGTCTGTGAAGCCACACAGTG
TCCAGATACGAGGGTACGAGTGGCTGCTTTACAGAATCTGGTGAAGATAATGTCCTTATATTATCAGTACA
TGGAGACATATATGGGTCCTGCTCTTTTTGCAATCACAATCGAAGCAATGAAAAGTGACATTGATGAGGTG
GCTTTACAAGGGATAGAATTCTGGTCCAATGTCTGTGATGAGGAAATGGATTTGGCCATTGAAGCTTCAGA
GGCAGCAGAACAAGGACGGCCCCCTGAGCACACCAGCAAGTTTTATGCGAAGGGAGCACTACAGTATCTGG
TTCCAATCCTCACACAGACACTAACTAAACAGGACGAAAATGATGATGACGATGACTGGAACCCCTGCAAA
GCAGCAGGGGTGTGCCTCATGCTTCTGGCCACCTGCTGTGAAGATGACATTGTCCCACATGTCCTCCCCTT
CATTAAAGAACACATCAAGAACCCAGATTGGCGGTACCGGGATGCAGCAGTGATGGCTTTTGGTTGTATCT
TGGAAGGACCAGAGCCCAGTCAGCTCAAACCACTAGTTATACAGGCTATGCCCACCCTAATAGAATTAATG
AAAGACCCCAGTGTAGTTGTTCGAGATACAGCTGCATGGACTGTAGGCAGAATTTGTGAGCTGCTTCCTGA
AGCTGCCATCAATGATGTCTACTTGGCTCCCCTGCTACAGTGTCTGATTGAGGGTCTCAGTGCTGAACCCA

Table 6
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GAGTGGCTTCAAATGTGTGCTGGGCTTTCTCCAGTCTGGCTGAAGCTGCTTATGAAGCTGCAGACGTTGCT
GATGATCAGGAAGAACCAGCTACTTACTGCTTATCTTCTTCATTTGAACTCATAGTTCAGAAGCTCCTAGA
GACTACAGACAGACCTGATGGACACCAGAACAACCTGAGGAGTTCTGCATATGAATCTCTGATGGAAATTG
TGAAAAACAGTGCCAAGGATTGTTATCCTGCTGTCCAGAAAACGACTTTGGTCATCATGGAACGACTGCAA
CAGGTTCTTCAGATGGAGTCACATATCCAGAGCACATCCGATAGAATCCAGTTCAATGACCTTCAGTCTTT
ACTCTGTGCAACTCTTCAGAATGTTCTTCGGAAAGTGCAACATCAAGATGCTTTGCAGATCTCTGATGTGG
TTATGGCCTCCCTGTTAAGGATGTTCCAAAGCACAGCTGGGTCTGGGGGAGTACAAGAGGATGCCCTGATG
GCAGTTAGCACACTGGTGGAAGTGTTGGGTGGTGAATTCCTCAAGTACATGGAGGCCTTTAAACCCTTCCT
GGGCATTGGATTAAAAAATTATGCTGAATACCAGGTTTGTTTGGCAGCTGTGGGCTTAGTGGGAGACTTGT
GCCGTGCCCTGCAATCCAACATCATACCTTTCTGTGACGAGGTGATGCAGCTGCTTCTGGAAAATTTGGGG
AATGAGAACGTCCACAGGTCTGTGAAGCCGCAGATTCTGTCAGTGTTTGGTGATATTGCCCTTGCTATTGG
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AGTCAGACTATGACATGGTGGATTATCTGAATGAGCTAAGGGAAAGCTGCTTGGAAGCCTATACTGGAATC
GTCCAGGGATTAAAGGGGGATCAGGAGAACGTACACCCGGATGTGATGCTGGTACAACCCAGAGTAGAATT
TATTCTGTCTTTCATTGACCACATTGCTGGAGATGAGGATCACACAGATGGAGTAGTAGCTTGTGCTGCTG
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CATGAATTGTTAACTGAAGGGCGGAGATCGAAGACTAACAAAGCAAAAACCCTTGCTACATGGGCAACAAA
AGAACTGAGGAAACTGAAGAACCAAGCTTGATCTGTTACCATTGGGATGATAACCTGAGGACCCCCACTGG
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CAGCGCTGTTAGTGAGCTAAGTAAGCACTGACTTCGTAGAAAACCATAACATCGGCCATCTTGGAAAAGAG
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GTCTGAGAATGAGTGTGTGTGAGTGAGGCGGTATCCACATTCTCAACTTCAAGTCATTGCAGTTTCTTTTT
CCCAGAAAACAAGGGGTTAGATGTTGCATTTCATAAAACTAACCGAAGTTCTGTCTACTGATGCAGCACAA
GAGATGTAcatcaaacatcgccaaaaaaaaggggggccccaaacaggggacaggggaaacaaaaggccca
cagagggtgggggacccccctggaagcagagtgagataagataacacaagcagactccgacacacaggttg
tcggcgcggcgcgccgcccggttacaaaaagaaaaacaaaaaacaaaaaataacacaagaaacaaagaaac
aaacaaaaaacaacaacagccatagaagtataaaaacgcaaaaaaacaaacaaaaaacacgacaacacaag
aaaccgacataacacaaacaaaacaacagaacgagaggacaaggacgacacgagaaggagaaaagagatga
gagagagaaaagaacaagaaggagaagagaagaaggacaggaagatgagagagaagaacaaacaagaagga
aaaccgagacgaggcagaaacacaaacacacacaacacaacacagacaaagacgacagacgaagaaagaag
cacaggagacccgaacacgcaacaccacacaacagaaacagaagagagagaagacggagaacgaccgcgcc
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agagagaaaacacacaaggagaagacaagcagcgcgcagaagaggcacgagggacggagaagcaaagaaga
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ggacagagcagaggaagcaagcagaaaggggagagagagacgaagaaagggagaagagcagagagaaaggc
gggcaagagggacgaaaagagaagagaacgagagagagaaagagagagagaacgcggcgaagagaagagga
gaagacagacacagcagacgacagaagagacagacccgaagtaagcgagagaggagaagcagacaga
Table3 3283
NGGCCCCAGGTTACACTTATNCTCCGCTCGTTTTGTTGATTGTNGCGATACATTCACACGGAACA
NTTGCCTGTTCCGATTAATNCGCTCACTATAGGAATTTGCCCTCGAGCCAAGATTCGCACGGGCTTTCCCC
CCGCCGGCTTGTTGCTCAGCGTCGGAGGCGGTAGTGACGGTGGCGTTTCCTTGAGGAAGAGTGAGGGTTCC
AACTTTTCTGCTTATCTGGGAGGTGTTGGGCGCGGACAGTCGAGATGTCAGAGAAAAAGCAGCCGGTAGAC
TTAGGTCTGTTAGAGGAAGACGACGAGTTTGAAGAGTTCCCTGCCGAAGACTGGGCTGGCTTAGATGAAGA
TGAAGATGCACATGTCTGGGAGGATAATTGGGATGATGACAATGTAGAGGATGACTTCTCTAATCAGTTAC
GAGCTGAACTAGAGAAACATGGTTATAAGATGGAGACTTCATAGCATCCAGAAGAAGTGTTGAAGTAACCT
AAACTTGACCTGCTTAATACATTCTAGGGCAGAGAACCCAGGATGGGACACTAAAAAAATGTGTTTATTTC
ATTATCTGCTTGGATTTATTTGTGTTTTTGTAACACAAAAAATAAATGTTTATATAACACTGGTTCGATAT
CCAAAAAAACACAACCACGCAGAGCAGCACACCAACACCGTTGTGGGGGCCGGGCGGGTGGCCCTGAGAGA
GGTTTTCAAGACCCATCTCGGTGGGGGCGCGGGGGCCCTGGAGAACCGGCAACATGGGCAACAGGGGACCC
AAGAGAGCCCCGGCAACGACGAAGGGGCGGGGGTCCCCACCAAATAAAAACACGGCCGGGGGGAGACCCCG
AGGGGTTTTAGACAAAACACCACCAGGGGGCTCCAGGAGACCAAAAGGCAGCACATACACAGGGGGCGCCA
GGGAGCCTATTAATTACCCGCCCCCGCCCGTGGGCGCGGTAGCTGCGCACAGAGAGACGATGCACTAAACA
GCAAGACAACAACAAGCAGCAACAGAAACCAGCAGCGAGCAGAGGACAACAAGAACCAGCAACAAGCAGAA
GGAAAGAGAGAGAAGAACACGCCACAAAGCAGAAGAGACAGCACAAAGAAGCACAGACGACAATAAAGCAC
AGACAGAATACAACGACAGACGAAAGCNN
Table3 3284
NNNACTATAGGCTGAAGCTTCACCATGGGCGGCATCTTTTACCCATACGATGTTCCTGACTATGC
GGGCTATCCCTATGACGTCCCGGACTATGCAGGATCTTATCCATATGACGTTCCAGATTACGCTGGTGGGG

Table 6
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ATCCCCGGGCGACCCACGCGTCCGCGGAAATGGAGGAGGAGACAGAGTTCCTTGAGCTCGGAACCAGGATA
TCAAGACCAAATGGACTACTGTCAGAGGATGTAGGAATGGACATCCCCTTTGAAGAGGGCGTGCTGAGTCC
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TGCCATCATTGTGTTTGCCGCCTGTTTTCTGCCAGACAGCAGTCGGGCGGATTACCACTATGTCATGGAAA
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GGTGCAACCCCAAGAAGGAGGATGCCAGGGCTAGGCTGGATGAAGAAATGCTACCAGATGATTGACAGACG
GTTGAGGAAGAATTTGAAATCATTCATCATTGTTCATCCATCTTGGTTCATCAGAACAATCCTTGCTGTGA
CACGACCTTTTATAAGTTCAAAATTCAGCAGTAAAATTAAATATGTCAATAGCTTATCAGAACTCAGTGGG
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Table3 3285
NNNNACATTCGCGCTATCGGGTCACCCCCAAAGCTCCCCAACCACGTTCCCACCTTTACCCCCCT
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Table 6
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GGAGCTGCTTACAAGCTTCTTTAGCTTTAAGCTCATTGCATTTCTTCATGTCTAGAGCATGGGTGACGGGC
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Table3 3286
GCGTCCGATCCGGCATACAGAATACAGCCACGCTTCTCAAAGAATTGCTTTCTTGGAAAGTTTTG
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Table 6
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tcgcaaatgaccgcttttctcccccggtcttcacacatcgagaccttgtctttgtcgtccacgccaacagc
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Table3 3287
NCTCGGCTCCGCTCCTCTCGGCCGGAGTGTGCTGGAATTCGCCCTTGCACTGTGACAAGCTGCAC
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Table3 3288
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Table3 3289
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Table3 3290
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Table 6
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CAAATAAAACGCCCGGGGGACCACGGGCCGTTCTGGACACACTCAGAGGGGCTCCGAGCGCCAAACGGGCT
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Table3 3291
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Table3 3292
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Table3 3294
NNNGCCCCTGGGAACGTGAAAAATGTCTGTTTCAAAACACATTATAAGGCTATGAAATTATCTGT
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CNCCAGTGN
Table3 3296
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GCCGGACACTGGAGACGATGCGGCGGGCCACGGATTCTGTTACTGTGCGGGCAGCCACAAGCGCAAGCGGA
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CAGCGGCTCCTCAACACCCCTCGAAGGAAAAAATTAAAGAGTACATCTAAATATATTTATCAAACATTATT
TTTGAATGGTGAAAACAGTGACATTAAGATTTGTGCTCTAGGAGAAGAATGGAGCTTACACAAAATATATT
TATGTCAATCTGGCTACTTTTCTAGTATGTTCAGTGGTTCTTGGAAAGAATCCAGCATGAATATTATTGAA
CTGGAGATTCCTGACCAGAACATTGATGTAGAAGCACTGCAGGTTGCATTTGGTTCACTGTATCGAGATGA
TGTCTTGATAAAGCCCAGTCGAGTTGTTGCCATTTTGGCAGCAGCTTGTTTGCTGCAGTTGGACGGTTTAA
TACAGCAGTGTGGTGAGACAATGAAGGAAACAGTTAATGTGAAAACTGTATGTGGCTATTACACATCAGCA
GGGACCTATGGATTAGATTCTGTAAAGAAAAAGTGCCTTGAATGGCTTCTAAACAATTTGATGACTCACCA
GAATGTTGAACTTTTTAAAGAACTCAGTATAAATGTCATGAAACAGCTCATTGGTTCATCTAACTTATTTG

Table 6
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TGATGCAAGTGGAGATGGATATATACACTGCTCTAAAAAAGTGGATGTTCCTTCAACTTGTGCCTTCTTGG
AATGGATCTTTAAAACAGCTTTTGACAGAAACAGATGTCTGGTTTTCTAAACAGAGGAAAGATTTTGAAGG
TATGGCCTTTCTTGAAACTGAACAAGGAAAACCATTTGTGTCAGTATTCAGACATTTAAGGTTACAATATA
TTATCAGTGATCTGGCTTCTGCAAGAATTATTGAACAAGATGCTGTAGTACCTTCAGAATGGCTCTCTTCT
GTGTATAAACAGCAGTGGTTTGCTATGCTGCGGGCAGAACAGGACAGTGAGGTGGGGCCTCAAGAAATCAA
TAAAGAAGAACTAGAGGGAAACAGCATGAGGTGTGGTAGAAAGCTTGCCAAAGATGGTGAATACTGCTGGC
GTTGGACAGGTTTTAACTTCGGCTTCGACCTACTTGTAACTTACACCAATCGATACATCATTTTCAAACGC
AATACACTGAATCAGCCATGTAGCGGATCTGTCAGTTTACAGCCTCGAAGGAGCATAGCATTTAGATTACG
TTTGGCTTCTTTTGATAGTAGTGGAAAACTAATATGTAGTAGAACAACTGGCTATCAAATACTTACACTTG
AAAAGGATCAGGAACAAGTGGTGATGAACTTGGACAGCAGGCTTCTGATCTTCCCTTTATATATCTGCTGT
AACTTCTTGTATATATCACCAGAAAAAAAGAATTGAAAATAATCGTCACCCAGAAAATCCAGAAAACTGAA
GATTTCATCAGTTGGAAACAGTAGCACTTTGAAAACTTTTTAGGCCAGCTTTAATTTAATGGCCCTACTGA
TATTCACATCGAAGGTGACTAACAATGACAAAGGCCTTATGAACTGTACAGACAATACAGAAGATTATTCT
TATCCTCATTGCATTTCTATGCATATGCGTAAGAACATTTTAAAGCCAAGAAAATATCTGTCAAACCATTT
CTGTTAGAACGATGTCAATTCATGCTTTTAATTTAGCATCAATAGAAAATTGCTGTAGGTAAATCTCACAT
TTATCTGCAACAAAATATAGATTTAATTTTTAGCTTAAACTTTGTTTCTACCTTATGTTAGTGGACCTCAG
TTATCCATCTGTAAATTTCTTTTTATTTGGCTAAAATAATCTAAAAGAATAATTTGGTTGGCCAATTAGAA
ATGCCTTTTTCAGTTGGTGTATTGAAAGCTTTCCTTTAACATTTTCACCTGCTCATTGTGATTCCTCCTTT
TAGTCTAATATCTTTCCAGGTCATACTTGTTTTTAATCATTAAATATTTTCTTCCTGGTTTTGGAGACTAA
GCTGATAAACTTTTTTTAAAACTTAAGCATTGTCATTGCTATTTTTTTTAATTTGACTTTCCTAGGAGTTT
AAGAACAGTGAAAGTTAGCTTTGCACCTTCAAATGATCTTGAATGAGGGAAAAATCAGTTTGATTCCAAGG
ATATTTCTTGCCTTACATGGTCTTTTCTTTGACAGTCTGTACACCTTTATTATTAGGTTTTGAATTATTTA
TGTACCAGATATTATAGTTTTAAACATTTTAATATTCTCTGATCTTTAGAATTATTTATGTTCAAATTTTA
GTTGGGAACTTTGTTTCCTACTTAAGCTCAGGACTTTTTACCCTCTGAATTGAGTGCCTTTGAGTGACACA
TGCTAATAGAAATTTCATAGTAAATGTAAATAAGGTCAGAGGATGTAATATGGAGCCTGATGATGAAGCAT
TAATGTAAAAATGGAACTTATTTTTGTCAAAAATGAGATGTACACTTGTCATGATTTATGTATGTTGACCT
TTTGTGTTTATTACTGTTTTGAAAATAGCCATGTTCATTTTCTTTCCAGTTAGAGTAAGTACTTCTGTGGT
TAATGTATATTTTTATTATGGTTTTTAAAATGGGAATCATTTTTATGTATCTGTGCAAATAATAAATGCCC
ATTTGGAAAAAGAGTAAGCTCTTACATAAAATGGACCAAAAAATCCCCCTTAATTGAAACCAAAATTTTTT
CTTTCTAGTTAGGTTTTTTCCCAACTCCTTTTAACTTTTGGAATTTATTAATAATTTTTTTCTTTTTTAA
TGATATGCCCATAGGTTCATAAATTGCTTTTGTTCTTTTAAAATTCATCCATTTGGTTTAACTTAAAGGAA
CCTTTTAAATGCCTCACCCTTGACCCTCAGAGCTGGAATTTAAATGTTTCTAATACAGTGATTTGGCTGTT
ATCAAGAGGTTACATTTCAGCTGGGTGTCAGCCAGGTGTGGTGGCTCACACTTGTAAGCCCAGCACTTTGG
GAGGCCGAGGCAGGCAGATCATCTGAGGTCAGGAGTTTAAGATCAGCCATGACCAACATGGTGAAACCCCA
TCTCTATTAAATACACAAAATAAAAATTAGCCAGGCATGGTGGCACACGCCTGTCATCTCAGCGACTCAGG
TGGCGNN
Table3 3302
NNACCTGGGAGCGGCGCTGGCGGCTGCCGGGGCGGCCCCGAGGTGCCGCAGACTCCTGGGCCCGG
CGGGGACCGGAGGCCGCGCCATGAGCCCCGCAGCCGGGCGCACCCCTGCGCCGCGCGCGGGCCCAGGCGAG
CGGCCTCTGCGAGCCCCGGGTCCCGCCCTGGGGCCGGCGATGTGCCACCGAGGCTGAGGATGATGGTAGAT
TGCCAGAGCTCCACGCAGGAGATCGGTGAGGAGCTGATCAACGGAGTCATCTACTCCATCTCCCTGCGCAA
GGTGCAGCTGCACCACGGAGGCAACAAGGGGCAGCGCTGGCTCGGGTATGAGAATGAGTCGGCCCTGAACC
TTTATGAGACTTGCAAGGTGCGGACCGTGAAGGCTGGCACGCTGGAGAAGCTGGTGGAGCACCTGGTGCCA
GCCTTCCAGGGCAGCGACCTCTCCTACGTCACCATCTTCCTGTGTACCTATAGAGCCTTCACCACCACCCA
ACAGGTCCTGGACCTGCTGTTCAAAAGGTACGGTAGATGTGACGCCCTCACGGCCTCCTCTAGATACGGCT
GCATCCTCCCCTATTCCGACGAGGATGGTGGACCCCAGGACCAACTTAAAAATGCCATCTCCTCCATCCTG
GGCACCTGGCTGGACCAGTACTCGGAGGATTTCTGTCAACCTCCGGACTTTCCCTGCCTCAAGCAGCTGGT
GGCCTACGTGCAGCTCAACATGCCAGGCTCAGACCTGGAGCGCCGTGCCCACCTTCTCCTGGCCCAGCTGG
AGCACTCGGAACCCATTGAGGCAGAGCCTGAGGCTCTGTCACCAGTGCCAGCTCTAAAACCAACTCCAGAG
CTCGAGCTAGCTCTAACACCAGCTCGAGCACCCAGCCCAGTGCCGGCTCCAGCCCCGGAGCCAGAGCCAGC
TCCAACACCAGCTCCAGGTTCAGAGCTAGAAGTAGCTCCAGCACCAGCTCCGGAGCTCCAGCAGGCTCCAG
AGCCAGCTGTGGGACTAGAATCGGCTCCAGCGCCAGCTCTGGAACTAGAGCCAGCTCCAGAACAGGATCCA
GCTCCCTCACAAACTCTAGAGCTGGAGCCAGCTCCAGCGCCAGTTCCATCATTACAGCCTTCCTGGCCTTC
ACCTGTGGTTGCAGAGAACGGGCTGAGTGAGGAGAAGCCTCACCTCTTGGTGTTCCCTCCAGATCTGGTGG
CAGAGCAGTTTACACTGATGGATGCGGAACTGTTCAAGAAGGTGGTGCCCTACCACTGCCTGGGCTCCATC
TGGTCCCAGCGGGACAAGAAGGGCAAGGAGCACCTGGCGCCCACCATCCGCGCCACTGTCACCCAGTTCAA
CAGTGTGGCCAACTGTGTCATCACCACCTGCCTCGGGAACCGAAGCACGAAAGCCCCAGACAGGGCCAGGG
TGGTGGAGCACTGGATCGAGGTGGCCAGGGAGTGCCGGATCCTCAAGAACTTCTCGTCACTGTATGCCATC
CTCTCTGCCCTGCAGAGCAACTCCATCCACCGTCTGAAGAAGACGTGGGAAGACGTTTCCAGGGACAGTTT
CCGGATCTTTCAGAAGCTGTCAGAGATCTTCTCAGATGAGAACAACTACTCATTGAGCCGGGAGCTGCTCA
TCAAGGAGGGCACCTCCAAGTTTGCCACCCTGGAGATGAACCCCAAGAGAGCCCAGAAACGGCCGAAGGAG
ACGGGCATCATCCAGGGCACCGTTCCCTACCTGGGCACGTTCCTCACCGACCTGGTGATGCTGGACACTGC
CATGAAGGACTATCTGTATGGCAGACTCATCAACTTTGAGAAGAGGAGGAAGGAGTTCGAGGTGATCGCCC
AGATCAAGCTGCTGCAGTCGGCCTGCAACAACTACAGCATCGCGCCAGATGAGCAATTTGGGGCCTGGTTC

Table 6
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CGGGCCGTGGAGCGGCTCAGCGAGACTGAGAGCTACAACCTGTCGTGCGAGCTGGAGCCCCCATCCGAGTC
AGCCAGCAACACCCTCAGGACCAAGAAGAACACAGCCATTGTCAAGCGCTGGAGCGACCGCCAGGCCCCCA
GCACTGAGCTCAGTACCAGTGGCAGCTCCCACTCCAAGTCCTGTGACCAGCTCAGGTGTGGCCCCTACCTC
AGCAGCGGGGACATCGCTGACGCGCTCAGCGTGCACTCGGCCGGCTCCTCTAGCTCCGACGTGGAGGAGAT
CAACATCAGCTTCGTCCCGGAGTCTCCTGATGGCCAGGAAAAGAAGTTCTGGGAATCAGCCTCACAGTCAT
CCCCGGAGACCTCCGGCATCAGCTCAGCCTCCAGCAGCACCTCGTCCTCCTCAGCCTCCACCACGCCCGTG
GCTGCCACACGCACCCACAAGCGCTCTGTCTCAGGGCTCTGCAACTCCAGCTCCGCGCTGCCGCTCTACAA
CCAGCAGGTGGGCGACTGCTGTATCATCCGCGTCAGCCTGGACGTGGACAATGGCAACATGTACAAGAGCA
TCCTGGTGACCAGCCAAGATAAGGCTCCGGCTGTAATCCGCAAGGCCATGGACAAACACAACCTGGAGGAG
GAGGAGCCGGAGGACTATGAGCTGCTGCAGATTCTCTCAGATGACCGGAAGCTGAAGATCCCTGAAAACGC
CAACGTCTTCTATGCCATGAACTCTACCGCCAACTATGACTTTGTCCTGAAGAAGCGGACCTTCACCAAGG
GAGTGAAGGTCAAGCACGGAGCCAGCTCCACCCTCCCTCGCATGAAGCAGAAAGGACTCAAGATTGCCAAG
GGCATCTTCTGAGGGCATCCTCCCAGGGTCTGGCTGGCTGGTAGCCAAGCACTTATGGACCAGAGTGGCCC
AGGCCAGCTGGGCGCCTTCCTCCCACCTGCCAGCCCAGGGTACCCCAGACTCCAGTTTCATCCTGAACCTC
TCCCGCTGCTGGGATTGACGCCTGCCATTGGTCAGGCTGACCTGGCCTCCCGTGGACCACTCGCTGCCTTA
GGTGCCTTCTGCTCTCTGGAACCAGAGGACTAGCTGACTTTTGCCAAGGAGCAGTGCCAACGGGCATGGCA
TGGTGCCCTGCCTGCCCCCGGGCGCCACCTCTGTACACTTCCCTGACACCTTCCCAGGTGTGGGTCACTGC
CACCTGTGCCCATGGGCACCCCAGAGCACCCACTGTGACCACTGCAGTTCTCTCATGCCCACAGGCACTGG
CCTGTGACCTTCGCAGGGGTCCCGGCCCCTCCCACCACTCTAGCCTTTCTCAGGCTGCACCAAAGATTCCA
TCATCAGGGCCAACTGAGAGTGAGGGAGTCTCACCCACCGCTTACCCCAGCCCTCCCCTGGGAGCAGAGAG
AGAAACCCTCTTCATGGACCAGACTCTGCACCCGGTGAGTGAGGACAGTCCCAGCTGAGTCCCATCGATGC
GGGACCAAGCCGGAGGCATGCCACGGCCAGGGCTANNN

Table3 3303

GCGACACAAGCGGCTGGACGTGAAGAGGAACACACCGGCGGAGAACACAGAACACCAACCCTCTC
TTTAGTCACCCTGGAGGCCTCGGAGAAGGCGGTTTCGGTGATCCGTGAAGAGACCCCGAGTCTGTTACATC
CCGGAGAATGACAAGAGAGCGAGTACCTGGGTGACGTTTACGTTCTGGGATTTCGGGAGATGCGGTTTTCT
GCACGCCAGGGGCCAAGCCTGAGACGTAGATGGACGGCAGGGATAGGAGCTCTCTCCGCGCCACAAACGCC
CCTGCTCATACCTGGGTTCCTTGATTTTCCTGCCTATATAACCGAGCCTCCCATGGCCGGGCTCTGAGCTC
TCATTCTGCGGACTGGGACAAAGGGGTTAACTGTGATGCGCTTTGTATAACCCCAGGATTCTGCACTTGCC
CAAGGGCGAGGCGCAAATCAAAAACTACGCACAACTGAACACCGAGATCAGGTGAGTCCTGAGTGTCTCAC
GACATAAAATCCTTACGATTTTAACAAGAGTTGTATTTGTGCTAGCACTGTTAACTGACAAACGCATGCCA
GATCCCATCTGTCTTTAAAGCTCAATGTGTGACGGTTAGACACGTCGATTGTCTCTTCAACTTTCTTATTT
GGAAAAACCAAAAAACCAAAACCAGTGGTCTGACTTGGCGAGGACCCTTCGAGCTAGTCCGTAGCCAATCT
GGAGTGATACTGGACGCTGTGGGAGAACAGCCATGTGAATACACCCGAGTGAACCCGTATAAGCAAGGGTT
AACGCGTACCATACCATGTTTCACGTCTCACGTTTAAAAACGCGGCACTGTGTCGCGAACGAAATAGATAA
AGGAGGGGCACATGGGAGAACACTAACAGCGCGCGCGCACCCACACANNNN

Table3 3304

NNNNNNNACCGCCTCCCGGGCCGTAAGTACCGGCGTGGCGGCGCCTCAGCCCGGCCTGGGCGAGC
CCTGGGTGCTCCGCCGGGCAGCTCACGGCGCCCCGTATGGCCTGGGGATCCTAAGAGGCCCTGTGACCCCC
CTCGCCTGGTCTCCCTCTCACCCCTGGAGGGTTGCCGCAGCTCCGGGGCCCCCGGGCAGGAAGGGCGCACT
GGTCGTCCCGGGCAAGAGGGGTACTGAAGCAGAAGGGCGCGGGCTAGCACGCGGAATGGCCTCGTGCCCTA
TGAGGAGACCACGGAATTTGGGTTGCAGAAATTCCACAAGCCTCTTGCAACTTTTTCCTTTGCAAACCACA
CGATCCAGATCCGGCAGGACTGGAGACACCTGGGAGTCGCAGCGGTGGTTTGGGATGCGGCCATCGTTCTT
TCCACATACCTGGAGATGGGAGCTGTGGAGCTCAGGGGCCGCTCTGCCGTGGAGCTGGGTGCTGGCACGGG
GCTGGTGGGCATAGTGGCTGCCCTGCTGGGTGCTCATGTGACTATCACGGATCGAAAAGTAGCATTAGAAT
TTCTTAAATCAAACGTTCAAGCCAACTTACCTCCTCATATCCAAACTAAAACTGTTGTTAAGGAGCTGACT
TGGGGACAAAATTTGGGGAGTTTTTCTCCTGGAGAATTTGACCTGATACTTGGTGCTGATATCATATATTT
AGAAGAAACATTCACAGATCTTCTTCAAACACTGGAACATCTCTGTAGCAATCACTCTGTGATTCTTTTAG
CATGCCGAATTCGCTATGAACGGGATAACAACTTCTTAGCAATGCTGGAGAGGCAATTTATTGTGAGAAAG
GTTCACTACGATCCTGAAAAAGATGTACATATTTACGAAGCACAGAAGAGAAACCAGAAGGAGGACTTATA
ATTGGCTATAATTTATAAGAATGTTGTCATTGAGTGTGTCACTTAAGGTCTTAGACTGCAAATCTAACCAT
ATTTAATGAAATGTCTTACTGTACAAAAAGTCTAAGCCAAAGGTTCTCAGGGGAGAAAGCACATGTGCAGT
TTTAAAACAAAGCAGTGCTTTGTCCCATTGCTGTGATTTTTAGTCAGACTTTACTCAGTCTGAAATGCAAT
TAACATTAAAGGATTAAGTGTGAGATTTCGATTTATGCTATTTGTGTATCCCATACTCCTCCCTTTTAATA
AACAGTTTCCACTGATGATATGAAGGGCCGGTATAAAGAAGTCTTTTAATGAGTAAGCTTTCTTGGTAAGA
TTAAATCTTACAAATTATTTTTAAAACCTTGTGATATATACAATGTTTAGCTGAGTTTTCTAATTTTCTGG
ATGTAAAACAAAAGGTTTAACCTATACATTCCTTGAGCTGTTAGTGCTATTTAAATCTTTTGCCCTGTTTA
GGTCCTAAACACTTTTAGTTGAGTAGGATATGAGCTTTTTTGGGTCTCATATCATGCTTTTTGCCTTAATT
TCAGGTGTATATATATATAAGTAAAGGAATTAAGTGAAAATAAAATTTCAGGTACTTTTTAAAAGCACCTG
AAATCTGGCCGGATGCGGTGGCTCATGCCTGTAATCCCACCACTTTGGGAGGCCGAGGCGGGCAGATCACC
TGAGGTCAGGAGTTCAAGACCAGCCTGGCCAACATGGTGAAACCCCATCTCTACTAAAAATACAAAAATTA
GCCGGGCGTGGTGTCAGGCGCCN

Table3 3305

NNNNNNNNCAAATTCTCTTTTATTGCTTTATGTCCCTGACTCATGCAGGCCAAAGGGTGAGGAGG

Table 6
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AGTAATAGCCAACAAGAGCGTCCTGCAGAAAGAAACAGGCTGCGTGGGTCCGGAGGAGCTTGAAAGGAAGA
ACCCGACCAAAGGGCAGGAGACCCGGCTCTCCAGGTCGCGGAGGCGTGGGTGCCCAGCCAGGCGGAGTGCG
GGGCGGGGCCTCTCGGGCCGCAAGGTGGGGCCTCCTGGGCCGGGAGGTGGGAGGTGAGCTCCGCCAGCCCA
GCCCACTGCAGACAGGTTACCCAGGACCTCAAGGTGTGCTGCGTCACCCCGCCCGCGCTGCGCTGATTGGT
TCCTCCAGGGAGCCCCCGCCCCCTCAGCTGTAACCGGGCCGGCTTCAGTGTCGCCGCCATCTTTGTTGATG
TGTCAGCTCCGCAGGGGTTGGGGAAACGGCCGCTGAGTGAGGCGTCGGCTGTGTTTCTCACCGCGGTCTTT
TCCTCCCACTCTTGGCTGGTTGGACCCCGCTATGGAAAAGTTGGCCCCTGAGCCAGAGCTCCAGCAGCCTT
GTTAGGGCGTGGCCTGAGGCTTGGATAAGTGGGATGTAAAACGAAGATCAGGAGCAGATTTGAAGAATTAC
AAAGTGAATTGGTGCCAGTCAGCATGTCAGAGACAGACCACATAGCCTCTACTTCCTCTGATAAAAATGTT
GGGAAAACACCTGAATTAAAGGAAGACTCATGCAACTTGTTTTCTGGCAATGAAAGCAGCAAATTAGAAAA
TGAGTCCAAACTATTGTCATTAAACACTGATAAAACTTTATGTCAACCTAATGAGCATAATAATCGAATTG
AAGCCCAGGAAAATTATATTCCAGATCATGGTGGAGGTGAGGATTCTTGTGCCAAAACAGACACAGGCTCA
GAAAATTCTGAACAAATAGCTAATTTTCCTAGTGGAAATTTTGCTAAACATATTTCAAAAACAAATGAAAC
AGAACAGAAAGTAACACAAATATTGGTGGAATTAAGGTCATCTACATTTCCAGAATCAGCTAATGAAAAGA
CTTATTCAGAAAGCCCCTATGATACAGACTGCACCAAGAAATTTATTTCAAAAATAAAGAGCGTTTCAGCA
TCAGAGGATTTGTTGGAAGAAATAGAATCTGAGCTCTTATCTACGGAGTTTGCAGAACATGGAGTTTGGGG
ACAGGTTGTGGTGAAGGTGGGAAAATGGGGGGCTTTAAGGTTTAAAAAAGCCGGGTGGATTTGANNN
Table3 3306
GCGACACAAGCGGCTGGACGTGAAGAGGAACACACCGGCGGAGAACACAGAACACCAACCCTCTC
TTTAGTCACCCTGGAGGCCTCGGAGAAGGCGGTTTCGGTGATCCGTGAAGAGACCCCGAGTCTGTTACATC
CCGGAGAATGACAAGAGAGCGAGTACCTGGGTGACGTTTACGTTCTGGGATTTCGGGAGATGCGGTTTTCT
GCACGCCAGGGGCCAAGCCTGAGACGTAGATGGACGGCAGGGATAGGAGCTCTCTCCGCGCCACAAACGCC
CCTGCTCATACCTGGGTTCCTTGATTTTCCTGCCTATATAACCGAGCCTCCCATGGCCGGGCTCTGAGCTC
TCATTCTGCGGACTGGGACAAAGGGGTTAACTGTGATGCGCTTTGTATAACCCCAGGATTCTGCACTTGCC
CAAGGGCGAGGCGCAAATCAAAAACTACGCACAACTGAACACCGAGATCAGGTGAGTCCTGAGTGTCTCAC
GACATAAAATCCTTACGATTTTAACAAGAGTTGTATTTGTGCTAGCACTGTTAACTGACAAACGCATGCCA
GATCCCATCTGTCTTTAAAGCTCAATGTGTGACGGTTAGACACGTCGATTGTCTCTTCAACTTTCTTATTT
GGAAAAACCAAAAAACCAAAACCAGTGGTCTGACTTGGCGAGGACCCTTCGAGCTAGTCCGTAGCCAATCT
GGAGTGATACTGGACGCTGTGGGAGAACAGCCATGTGAATACACCCGAGTGAACCCGTATAAGCAAGGGTT
AACGCGTACCATACCATGTTTCACGTCTCACGTTTAAAAACGCGGCACTGTGTCGCGAACGAAATAGATAA
AGGAGGGGCACATGGGAGAACACTAACAGCGCGCGCGCACCCACACANNNN
Table3 3307
ACAAAGAAGAGATTCTACAGCACTTAGAGGCTGTATAGCTTCCAGAAAAAGTAGCTATAATGCAT
TGCAGAGGCCACCAAAAGGCAAGGATGCCACAAGCCAAAGGAAACAGAAAAGCAGACAGGGAGGCAAAGCA
GGCAGCAATGATCACCCCGCATTTTAAAGAGGAAGCCTTAGCTATGCCTCTCCTCCCAGAACCTCCTCTCC
AAGACGACCCAAGTTATACTCCAAATCAAAGATCCTGGTGTGCCAAGAAGATATAAAATGTATGAAAAGAA
AGTAAAAGAAGTTCTTCTATAGGAGACTAGCCATTCCAAAGATGTTAGCTCCTAAGTTTGTGAAGCAAATC
CATCAAGAAAATCATATAAGAAAAACAGCATTAGAAACATTATGTAGTGCCATTTTTCTTTTCTTTTTTTC
GGACGCGGG
Table3 3309
NNNATGCCTAAAATCATCCAGACTGTTGGTGGTGGTGCTGTGCAGGAGAGAGCGCCTGAGCTGGA
TGGTGGTGGGCCCACGGAGCAGGACAAAAGCCATTCTAACAGCAGCACCTTGTCGGACCGAAGACTCAGCA
ACTCCAGCCTCTGTAGCATTGAAGAAGAGCACCGAATGGTGTATGAAATGGTACAGCGGATTCTCTTGTCA
ACACGAGGTTATGTCAACTTCGTGAATGAAGTATTTCACCAGGCATTTTTGTTGCCTTCCTGTGAGATAGC
TGTAACAAGAAAAGTAGTTCAAGTGTACAGAAAGTGGATTCTCCAGGACAAACCTGTGTTCATGGAGGAGC
CAGATAGAAAAGATGTTGCCCAAGAAGATGCTGAAAAATTAGGATTTTCCGAGACTGATAGCAAGGAGGCC
TCATCTGAAAGTTCTGGTCATAAACGATCTTCCAGTTGGGGACGCACATACTCCTTCACAAGTGCAATGAG
CAGAGGGTGTGTGACAGAGGAGGAAAATACAAATGTGAAAGCCGGCGTCCAGGCTTTGTTGCAGGTATTTT
TGACGAACTCTGCAAACATCTTTTTGTTGGAACCATGTGCTGAAGTTCCTGTGCTCTTGAAAGAACAAGTT
GATGCTTGTAAAGCTGTTTTGATTATTTTTAGGCGCATGATAATGGAGCTTACAATGAATAAAAAGACATG
GGAACAGATGTTGCAAATACTACTCAGGATAACAGAACTGTCATGCAGAAGCCAAAGGATAAACGAATAAA
GGACTTGGTTGCCCAAAGCTTGCAGGGGTACTATTTANGACGCTCATGGTAGCTGGATCCGACCAAACTNT
GGNGACATTTCTCGAGAGCN
Table3 3311
ACCGCGGGAGCTCGGGCTCCTGAGGGCGACGGTCCTCTGATGGCAGATGCGGGAGAAACCTCTGG
CGTCAGGCGAGCCCTCGCGTGGAGCACACGAAAGTCGTGGCTTATTCTGGCTTCAGTATGTGGGGTGGAGA
AGGCGATCCACGCAGCTGCGTCTATTTCCTGTGGATCAATCGCAAAATACGTTCTGTAAGCCCCGCCCCCA
CTGCGTGCGGGCGGCTTTTGTCTCCACGGCAACCGTCAACTCTGGATACGCCTGTCTTTCTCCATGGCAAC
TGTCTACGCCGCAGGCTGGAGCTGCCCATTACCGGAGCCCATATGGCAATGACCCTTGGCCAGTCTCTGGG
AACTAAACTCCTGGGATGTTTACACAGGTGCTGGGTAAGATGTTCTTCCATATGCTCAAGACCACGGGTCA
AGATGT
Table3 3312
ACCCAGGGACACAAACACTCTGCCTAGGAAAACCAGAGACCTTTGTTCACTTGTTTGTCTGCTGA
CCTTCCCTCCACTAGTGTCCTATGACCCTGCCAAATCCCCCTCTGTGAGAAACACCCAAGAATGATCAATA

Table 6
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AAAAAAAATAAAATTAAAAAGAAAACAACAACAACAACAAAAAAAAGTCCTCCCATAAGGAAAGATGATCA
ATTCTTATGTATCGTTCTAGGGATATAAATATTCAGGAGGCTCTGAAGGCTAGCAAACCGAGCGATCATGT
CGCACAAACAAATTTACTATTCGGACAAATACGACGACGAGGAGTTTGAGTATCGACATGTCATGCTGCCC
AAGGACATAGCCAAGCTGGTCCCTAAAACCCATCTGATGTCTGAATCTGAATGGAGGAATCTTGGCGTTCA
GCAGAGTCAGGGATGGGTCCATTATATGATCCATGAACCAGAACCTCACATCTTGCTGTTCCGGCGCCCAC
TACCCAAGAAACCAAAGAAATGAAGCTGGCAAGCTACTTTTCAGCCTCAAGCTTTACACAGCTGTCCTTAC
TTCCTAACATCTTTCTGATAACATTATTATGTTGCCTTCTTGTTTCTCACTTTGATATTTAAAAGATGTTC
AATACACTGTTTGAATGTGCTGGTAACTGCTTTGCTTCTTGAGTAGAGCCACCACCACCATAGCCCAGCCA
GATGAGTGCTCTGTGGACCCACAGCCTAAGCTGAGTGTGACCCCAGAAGCCACGATGTGCTCTGTATCCAG
AACACACTTGGCAGATGGAGGAAGCATCTGAGTTTGAGACCATGGCTGTTACAGGGATCATGTAACTTGCT
GTTTTGTTTTTCCTGCCGGTGTTGTATGTGGTGACTTGCGGATTATGTTCAGTGTACTGGAAACTTCCA
TTTTATCAGAATCTGTCATGTGAAAGCTGATAAGAGAGTTTATAAAAAAAAACAAACCCGGGCCTCTATTCG
GGGGGGGAAACGGTAGGAAGGCCTGGCTCACGTTTCCGACCCTTCTGTCAAGGGGAATCGCGGCCCATGGG
GGGG

Table3 3313

GTAGGAGAATATGGCTTAAAGACAAGAGGGGGAGAGCCTCTTAATTGTTCATACTATTTTACTTC
ACCCTCCATCCAGTCTGACAATAATGCCAAACTTAATTTACAATCTAGGGCAAGAGTAACTCTATAAGAGG
ATTTTATGAAGTACAGCCAGGTGTGGTGGCCCGCATCTGTAATCCCAGCTACTCAGGAGTCTGAGGTGAGA
GAATCACTCAAGGCCAGAAGTTTGAGGCCCAGACTGGCAACATAGCAAGACCATGTCTCTTTGCCGTGGGC
CGCTCCTTCCGAGGCTTCGGCTACGGCCTGACGTTTCTGCCACTGCTGTCGATGCTGATGTGGAACCTCTA
CTACATGTTCGTGGTGGAGCCGGAGCGCATGCTCACTGCCCCCCGCGT

Table3 3314

NNNNNNGCTGCCTTCTTCTTGTCTCCTGTGTGTTCGGTTCGGTCGTCATTGTTGTCGTCTCTGGT
CTCGTTCTTTCTCCGTCTCCTGCTGCATTTCTCTCTTGTGTTTCTTCTTATCTCCACCCGCGCGTGGGTCT
ATTTTTATCGGACTTCCCTCGGGTACCTCCTGTGTGTGGGATCGCCCTTTGGCTCGTCCTCGATCGCCTTC
TGGGATGTTTTCCAGAACAACCTCTCGTCTCCCCGCGGCGTCTTTCTTTCTGGGGGGAGGAATCCCCGCGA
CCCTTTGTTTCTGTCCCCGCGGTTTTCCTTGGGGACCCCTTTGTGCCCCATGTTTCCCTTCCTCATTGGGG
CCCGCCCCCCCCACAAAGAGTGTGGTTTTTTAAAAACTCTTTTTCTGGGGCTCCTGTGCGCCCCAAAACAA
TTTTTTTTTTTTTGGTTTTTTTTTTTTTAAAAGAAGAAAATAAAAAAAAAAAAGAGGGTACAAAGATAATAA
AATTCACCACAGAGAACATTAGAAAATCATAAGTGAATTACCAAACTGACAAGGCAGTTGTAGAAAAAGAG
TCACTGGTGGGAAAGGTAGCCTCTACTAAATAAAAGTCTTTTTATTGTTGGCAGTTGGATTCAGTAGTACC
TACGTGGGTAAGTTTAGAAATGTTATAATTTCACGGAAGAGGAACAGCATATAATTGTATCTTGCCTATAA
ATTGTTCTATTTTAATAAGGGAAATAGCAAATTGGGGTGGGGGGAATGTAGGGCATTCTACAGTTTGAGCA
AAATGCAATTAAATGTGGAAGGACAGCACTGAAAAATTTTATGAATAATCTGTATGATTATATGTCTCTAG
AGTAGATTTATAATTAGCCACTTACCCTAATATCCTTCATGCTTGTAAAGTACTCCCTAATGAATGGTTAT
GCAGGCAGGAGAACTTCTCAGGAAGAGAAAAGGAGAAGACTAACTCTACAGAGATTTTTGAAAGACTCCGT
GGGATCTCAGCAATTTGTTAACACTGCTAGGGCCCTTCACTGCATAGGGAGGCATATGGACTGCCATGGGT
CTCCAGGCTCATGTTCCAAGCAAGAATAGGGTAAGTAACTGTGAATTACCCTACAAGCAGTAATAAGTTTA
TTATAATAATATTTTTATACATTTTTGGATGCACCCAACCCACTCTAAAGAATGTCAGTGACTTTATACAA
AAGAGGAAGCATCTAGATTGGCATTGTGAACATAATGCATAGGGGCGCGGCGGGAGCTCTAGAGCCTAGTG
GTTAAAACCGTGGCCTCTGGAATATGACTACCTGGACTTGAATGCTCACTCTGCCATTTATTAACTGCATG
ACCTTTGAAAAATAACTTTTCTATCCTTCGGTCCCTCATGTGTAAAATGAGGATAATAACTACTTATCTCA
CGGGGTTGTTCTAAGTATTAAATGGGATAATACAAGTAAAGTACTTAGAACCATGCCTAGCACATCAGAAT
CCCTCAAAGAACATCAGTATAATCCTATACCATAGCAAGTGGTGACTGGTTAAGGTGCGACAAAGGTCAGC
TGGCAGATTACTTGTGTGCAAACTTGATACTTTTGTTCTAAGTAGGAACTAGTATACAGTTCCTAGGATTG
GTACCGTATTAGAGATAGCAGTTTTGGAGGCCAAATGTTACTGAATCCTCTTCCTGATCAGTATATTAATA
TGAAAATGAAACTGCTCTGTAACACAATAAAGAATAAAATCTTTCATGAGGTATGTATTATCAGTATGTAT
TTCATGTCTCAAATATATTTTAAATATAATTTCAGGTTTAATTTGTCTTTTTAATTTGTGTCTCTTCATAT
AATCACATTGCTTCATACAATTAATTTCATCCTTCAAATCCTATTTTATGAGAGAAATATAGGAATGCTAT
CATGCAGCCTTACCTAGATGCTAACATAACGTGTCCTTTCTTAAAAAAATGTATAATAATGCATTTCTACT
TTTTCAAGTTGAATAATTAAAATCTTAATCTTCAGAAAAAAATGTATATCCATTGAATTATTTTAAAAGCT
TAAAATTCTGCTGGTTTGCAAATTGTATATAACATTATATCTATATTATTAACTGTAAGTATTTTTGCCTG
ATTATGAAATATAAAGTAACAACAGGGTTACAGTTGTGCAAAACAAAACAAAACATACCTAAATTACAATA
ATATGTTGACTAGAAAAATTCATANNNNN

Table3 3317

ACATGGATGGGCGGGGAGGTAACTAAAAGATCCTTTACACAATAAAGTAGATGATCATGATAAAT
GAGGTAAGGTCCTATTATCACACACTTCAAACACGGTAGATCAGAAACCCACTATGATACTCGCTTCCTGT
CTGTTTGCTAAGGAATATAAAATGGCTAGAAAGTTTAATTTGAAACCTTTGCCTCCATTTGGAATAGTAGA
CACCAGTTAAGAGGGTGTCAGATGCCTTTTTTTTTTTTTTTTTTTTTTGGCTGGTCCCTGTTGATTGGTC
AGAAGACAGCTCAGCTAAAAGGGGAAGTTGTCTGGGTGGTTGCTTTTTTTCTGACGTCTGTTCCTCAGGCT
GGAAGAAATGAGCAGAAAACAAGGGATGAGTACTTTTTAGAGTATGTGCATGTTACGTAATACCTGTTTCT
GGGCAATGCTGCTTCTTCTGACTCAACAAATGGGGAGAGCAAATTGAAAATGCGTAAATTGGAAGGCAAGT
TCTGAAATTAAACGTTGTACTTTGGCCTGATGTTCTGACCTTTAAGGAAGCAAGAGTTTGTAAACTTCCAA
ATATTTACTATTCTGAACTGCCGTGTAAACCTGACGTATTCCCAAGTCAACATACCAGTATACCAATAGGA

Table 6
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TGTGAATAATGTGTGTGTTGAGTTTAAAACCATAGCAGTTTTGCTCTGGCAAGTAATGAAAGCGTTCTCGC
TTCCTGAGTGTGAGCTCCAGCAGACTGCAGAGTGGCCAGTCCACAGTTGTAGCCTGACTTCAGTGAGTTCT
GATGTGTGCTTTTTGCAAATACATGTTCTCAGAACAGTGAGATCATCCAGCAGTGGCCTGGACTGCACTCA
CATAAAAATCATGAGACAGCCATGGCTACTTGTTTCTGTAATACATGCATGTGTGTTTTTTAAAACCTATG
ATAGGCCTCTGATTCTGCAGCTGCAACTTTTATGGAATGTTTTCCTTCTCCACATCTCATGTGATGCctttt
actCCATCATTAAAATAATCCAGTAAActtaCAAATTTggaAacCataatctaAgacaTACctggCTTaga
ttcttCAgaatttctGATCCTATGCCAAAGCCTAAaAAgaAAGAGtcatATtcacaAAGTCATtGTAAGca
TTTATAActctgaaCTCtcgtcagaccctctgctcCGAACTCAatcgcacCTCTATAATCACTCATCAcga
agAAGTCCTCAAGATaccaTAACTTGCCAAtccaCGGGTCATAGGTAAAaTAgtacaTGGcaacccaacAA
TGCtgtgtccTCATTTAtcatgatcatctactttattgtgtaaaggatcttttagttacctccccgcccat
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aagattacttgttcttccatgtattcatatttagccagctccttgatcagccgcagtatgtcactgcagtc
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gcccctgtacttgaacagtaggaggaggtggttcctcattcgtctcccgggagcgtcctcttctcagtcag
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Table3 3318
NNCGAACNCCCATAGGTAGGGACGCGCGCCATTGTGTTGGTACCCGGGAATTCGGCCATTATGGC
CGGGGGCAGCAGGCGTGCAGTTTCCCGGCTCTCCGCGCGGCCGGGGAAGGTCAGCGCCGTAATGGCGTTCT
TGGCGTCGGGACCCTACCTGACCCATCAGCAAAAGGTGTTGCGGCTTTATAAGCGGGCGCTACGCCACCTC
GAGTCGTGGTGCGTCCAGAGAGACAAATACCGATACTTTGCTTGTTTGATGAGAGCCCGGTTTGAAGAACA
TAAGAATGAAAAGGATATGGCGAAGGCCACCCAGCTGCTGAAGGAGGCCGAGGAAGAATTCTGGTACCGTC
AGCATCCACAGCCATACATCTTCCCTGACTCTCCTGGGGGCACCTCCTATGAGAGATACGATTGCTACAAG
GTCCCAGAATGGTGCTTAGATGACTGGCATCCTTCTGAGAAGGCAATGTATCCTGATTACTTTGCCAAGAG
AGAACAGTGGAAGAAACTGCGGAGGGAAAGCTGGGAACGAGAGGTTAAGCAGCTGCAGGAGGAAACGCCAC
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TATGTTACAGAACATGCACTTGCCCTAATAAAAAATCAGTGAAATGGCAAAAAAAAAACAAGACAGAGACC
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GTTACGCGGACGCAGGTCTTTCTTGTGTCTTTCGTTTTTATCTCGAGGTGGCAAAACAAGACGATGAGAGA
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GACGAGAAGAACAGCGAACAAAGAAGCAACGAGCGCAGGAGAGCGAGGCGCAGAGCAAGAGAAAACAGAGG
GAGGCAGCGAACAGAAGAAGACACGAGGGGAGGAAGAGAGCGAAGGAGGTAGGCGGAGGACGAGCGAGCGA
CGCAGGGGAGAGCAGAAGAAAGGAAAGCGGAAGAATGAACGCAGAGAGAGAAAGGAGAGAGCCGGAGAGCA
GACGAGAGGGCGCAAGAAGGACGGAGAAAGGCAGAAGGAGAGAGAAGAN
Table3 3320
ACAATTTACGTCCTAAGGGGGGGCTACTCTAATTATCCCATTCAAATGGAATTTTTTTCAAAATT
GGATAGAAGGAATTGAAGAGTTGTAAGTAGTGATTAGTCTGCTAATCAGTTCTTCAGATGAGATATTGAAT
GGTAACACTCTGAGCTTAAAACTCAGCAGTGTGTCTGTGACCTCCACGCAAATCAGAGGAAGCAATGCATC
CACGCTGAGCCTCACCATGTCTTCCTCCCAACTCTCTTCATACTCTCTGTGTCTTCCAGCTCTTCTTTCTC
TGGCCGGCTCTCTTTCCTCTTCTCTCTGCATATGTGAGAACGCCTGGGCATCCTGGGTAACAGCAGCCCCA
GCTGCCCTCTCCTGTTCCCTGTTCCAAGTCCCCTGCACTGACCTTTCTTGAGTCTCTCTGGCTCTGTGCAT
GTCTTTGGGACTCTCCTCATCTGGCTTTTCCTCTGTGTGTGCCTCTCTGTTTGCTTATGTCTCTGGCTCTG
TCTTCCCCACCCCTCCCCTCACACACACACATACTCCCAAATGTAAGGCTCTGTGGCAGGTTGGAATCGGA
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TATTTTTCTACTTTACATCTGCTGGGGAAGGAAATGTGTCAGGAAGCCGCTGCATCTGGTCATTTCATCGC
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AAACAGCGGGAGCCTATGTGTGTGTGCGACACTGTAATCTCAAGGAGATTCACTCAGAGCTGTCTCAGTCC
AACTCCTGCATGACCAGATCTTCCCTTAGCATCTTTTCTGTGATGAAATATTATCTTGTGTTAGAGTTAGG
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CCTATTCTTATTTTAACTTGCTTCATCCTTGATCTACCTGAGACACTAAGAAGGAAATTAGTTTTCCAAGA
GCTCTTTGAACCTGTCTAGGACTGTAGTTAAACCTATTTGCCCTATGGGGGTTCTTCACACTCGAAAAACT

Table 6
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ATTTCCTTATCACCAACGACCCACCCAGAAAGGCCAATGAGGCCAAATGTAACAATTTTTAACATTTAAAT
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TAGTGACTTAGAATCCAGATATCTTTTGTTTTAGAAAAACAAGCAAAACTATGTTGCAAGACTGACAGTTG
TAATGTTTATTTGCCACAGATCAAAGGTTCACAAAGTATATCAAATTTACATCTACTTGGGGTACCTTGAT
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CAAGCCATACAACCACAGGGGTGGGAACCCTTTTCACAAATTTTAATGTGTTTGTATGTAAATAGATGTTT
GTATGAAATATTTTCATGATAGAATGAATATATTTAAATGAAGTTGAATTATTCCAGTGCTACTTAAACAC
ATTACAAAAATTTTGGTGAGAATTATCTGAGTCTATTGAGATGTAATGCAGATCAATTTTGATTTTTAAAA
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CGTAGGCTTCCCCAGTGCCTCAGCCGCTTCCTGGTGGAAGTTAGGTGCTAATGGAGGTGTGTTCACCTTTT
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CTGGAGCACAATTTCTTTGCAGGGCAGCAGAATCAGAAGCCAGACTTGGCCATGTGAACCTCGAAACTCGG
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GGACATACCTCCCAACTCTCCTGACTCTTATGTTATTGAAAAAACAAACAAACAAAAACTCCTTTATGATG
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GGTTTATGATAATTAACCTTGATTCATGTATTGGGAAGCTACAGGGACTACGTAATACCTGCTTATCACAT
AGGAAAATTATGTCCATGATTCTGAGCTCCCTTCTTCAAAAGTTTCCTCCTGGGTGTTCTATGTTCTCTCT
TTATCCTGAAATACATTTATTAGGTTGTGAGGTATGTTGAAGAAGTAGAAGCCAGGGGTATGCTTTCAGCA
TTTATTGCAACCAAAAGTTAACCCCATCACGGTTAACGAGCATCTTTGGTCTCTTGTGGAATTTGAACTAA
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TACATGAATAATGTTTGCCCTTACTGTGTTATGAATGAGTTTTTTGTAGTGTGTCTGGGTGCATGATGCAA
GAGAGTAGGAAAAATGTTTCTGAAACAAAACTTGACAAATATTTGTAATGAAAGTAAATTTAAAGATTGCT
ATAATTGCGCTATAGAAACAATGCAAGTATTAAACAAAATATACAATCAAAAAAAAAAAAAAAAAAAG
Table3 3321
NNNCACGAGGAAATTGCAGAGAAAGGAGGGCATCAAGCTTAGGGGACCAATCCCTGTCTTTCTAC
CAGTCCCTGATAACTACTCAAGCTCCCTTTAAAGAGGCTCATATTGGAATACTCTGTTGACAAGTAGATAC
CACTTCACCTCTGCTAGGGTGAGCGCTGGTAGCTCCTCCCTGTTAAATGCCCATCTCAATGCCTCTGCCCT
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TGCTGTTGCCACTGCTGGTACAGAAATAGAAGCACAAAAAAACAAAGACAAAAAACCTCCAAGCTCCCTTC
AGTAGTTGCTACACCTTCAGATTGAGACATCCTTCCTCATTTACAAACCTCAGCTGTGTCTGGGGCAGGGC
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AAGCACTTGACGGGGCTCATTTGATGCAGATCCTCTGGTATGATGAGGAAGAGTCTCTCTACCCAGCTGTA
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GCTAAGCTTTCACACTGATTATCCAGCCCTCCATCATCCACCTGGGGTTCAGCTTCTTCACTGCATAAAGC
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ACGCAACTAGGGACACAATATTTGATGTGCCTGTTGAAAGAGTTCAGCCTTTTTATGCTGCTCTGAAGGAG
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AGACCATGATCTTTGTGATTTACATATAATTTCCTTAACAATGAACATGTAACTTCTCTCACAAGAGTACT
CTTTACTTTGTAATCATATACAATGTCAACTTTTTAGATGTTTCACCACTCTTTTGCAAATAAAGCATCCT
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AACTACCACTGAACATGACTTTACAAAAAACACATAATTTGAATCAACACAACCACCCACAGCCTAATTAT
TAGCATCATCCCTCTACTANN

Table 6
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Table3 3322

NNNNNNNNCGGGGTACTTCTAGCATCAAGTAAAACCTCTTCTCCTCAAATATATTGTCCCTTTAA
AAAAATTATCCCACAGGGAGAAAAACATTTAGGGAATTGGCACATTTCCAAGTCTCTTCAATTCGTTGCCT
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GCTGAAATGACCTAAAGGGCCTGGCAAGAGGAAGCCATCCTCCCAGCCCTGTGCGCATGCGAGCTTTAGTG
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TGAACACTGATTTTTTTTTTTTTAAATTGTCAAACTTGGTAAAAAGCACCAGCATGGCCAAGTTTCTCTAGG
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CAGGCAGCAAGGCTGACTGACATGTCATAGTTTTCATAGTAGTCACAAATACTATGATGGGTTTCATGGTC
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AGCTACTAAAAGTAGAGTCTCAGATTGTTAATTTGAAAATAGATAACTTTTTTTGGATTGCTGTAATAACA
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AATCCCAGCGCTCTTGGTGGCTGAGGTGGGTGGATCACTTGAGATCAGGAGTTCGAGACCAGCCTGGTGAA
AACCAGCATGAGACCAGCATGGTGAAACCCTATCTCTACNN

Table3 3323

NNNNNNGCTGCCTTCTTCTTGTCTCCTGTGTGTTCGGTTCGGTCGTCATTGTTGTCGTCTCTGGT
CTCGTTCTTTCTCCGTCTCCTGCTGCATTTCTCTCTTGTGTTTCTTCTTATCTCCACCCGCGCGTGGGTCT
ATTTTTATCGGACTTCCCTCGGGTACCTCCTGTGTGTGGGATCGCCCTTTGGCTCGTCCTCGATCGCCTTC
TGGGATGTTTTCCAGAACAACCTCTCGTCTCCCCGCGGCGTCTTTCTTTCTGGGGGGAGGAATCCCCGCGA
CCCTTTGTTTCTGTCCCCGCGGTTTTCCTTGGGGACCCCTTTGTGCCCCATGTTTCCCTTCCTCATTGGGG
CCCGCCCCCCCCCACAAAGAGTGTGGTTTTTTAAAAACTCTTTTTCTGGGGCTCCTGTGCGCCCCAAAACAA
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TACGTGGGTAAGTTTAGAAATGTTATAATTTCACGGAAGAGGAACAGCATATAATTGTATCTTGCCTATAA
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CTCCAGGCTCATGTTCCAAGCAAGAATAGGGTAAGTAACTGTGAATTACCCTACAAGCAGTAATAAGTTTA
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CGGGGTTGTTCTAAGTATTAAATGGGATAATACAAGTAAAGTACTTAGAACCATGCCTAGCACATCAGAAT
CCCTCAAAGAACATCAGTATAATCCTATACCATAGCAAGTGGTGACTGGTTAAGGTGCGACAAAGGTCAGC
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TGAAAATGAAACTGCTCTGTAACACAATAAAGAATAAAATCTTTCATGAGGTATGTATTATCAGTATGTAT
TTCATGTCTCAAATATATTTTAAATATAATTTCAGGTTTAATTTGTCTTTTTAATTTGTGTCTCTTCATAT
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TTTTCAAGTTGAATAATTAAAATCTTAATCTTCAGAAAAAAATGTATATCCATTGAATTATTTTAAAAGCT
TAAAATTCTGCTGGTTTGCAAATTGTATATAACATTATATCTATATTATTAACTGTAAGTATTTTTGCCTG
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Table3 3324

NNNCACGAGGAAATTGCAGAGAAAGGAGGGCATCAAGCTTAGGGGACCAATCCCTGTCTTTCTAC
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TGCTGTTGCCACTGCTGGTACAGAAATAGAAGCACAAAAAAACAAAGACAAAAAACCTCCAAGCTCCCTTC
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TCTTTACTTGGGTAGCTGACAGCATCTACTCCTGAAGACCGGAAACATGGCTTGTACCATCCAAAAGGCAG
AAGCACTTGACGGGGCTCATTTGATGCAGATCCTCTGGTATGATGAGGAAGAGTCTCTCTACCCAGCTGTA
TGGTTGAGAGACAACTGTCCGTGCTCTGATTGCTACCTGGATTCTGCAAAAGCACGGAAACTTCTAGTGGA

Table 6
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AGCTCTTGATGTGAACATTGGAATTAAAGGCTTGATATTTGACAGAAAAAAGGTGTACATCACATGGCCCG
ATGAGCATTACAGTGAATTCCAGGCTGATTGGCTGAAGAAAAGATGCTTTTCCAAGCAGGCCAGAGCAAAG
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GACTCACCGGAGCATCTGACAAACCAGGAGAAGTTTCAAAACTTGGGAAAAGGATGGGTTTCCTCTATCTC
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ACGCAACTAGGGACACAATATTTGATGTGCCTGTTGAAAGAGTTCAGCCTTTTTATGCTGCTCTGAAGGAG
TTTGTTGACCTCATGAACAGCAAAGAATCCAAGTTTACCTTCAAGATGAATCCAGGTGATGTGATTACTTT
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AGACCATGATCTTTGTGATTTACATATAATTTCCTTAACAATGAACATGTAACTTCTCTCACAAGAGTACT
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TAGCATCATCCCTCTACTANN
Table3 3325
NNNNNNNNCAAATTCTCTTTTATTGCTTTATGTCCCTGACTCATGCAGGCCAAAGGGTGAGGAGG
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GGGCGGGGCCTCTCGGGCCGCAAGGTGGGGCCTCCTGGGCCGGGAGGTGGGAGGTGAGCTCCGCCAGCCCA
GCCCACTGCAGACAGGTTACCCAGGACCTCAAGGTGTGCTGCGTCACCCCGCCCGCGCTGCGCTGATTGGT
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TCCTCCCACTCTTGGCTGGTTGGACCCCGCTATGGAAAAGTTGGCCCCTGAGCCAGAGCTCCAGCAGCCTT
GTTAGGGCGTGGCCTGAGGCTTGGATAAGTGGGATGTAAAACGAAGATCAGGAGCAGATTTGAAGAATTAC
AAAGTGAATTGGTGCCAGTCAGCATGTCAGAGACAGACCACATAGCCTCTACTTCCTCTGATAAAAATGTT
GGGAAAACACCTGAATTAAAGGAAGACTCATGCAACTTGTTTTCTGGCAATGAAAGCAGCAAATTAGAAAA
TGAGTCCAAACTATTGTCATTAAACACTGATAAAACTTTATGTCAACCTAATGAGCATAATAATCGAATTG
AAGCCCAGGAAAATTATATTCCAGATCATGGTGGAGGTGAGGATTCTTGTGCCAAAACAGACACAGGCTCA
GAAAATTCTGAACAAATAGCTAATTTTCCTAGTGGAAATTTTGCTAAACATATTTCAAAAACAAATGAAAC
AGAACAGAAAGTAACACAAATATTGGTGGAATTAAGGTCATCTACATTTCCAGAATCAGCTAATGAAAAGA
CTTATTCAGAAAGCCCCTATGATACAGACTGCACCAAGAAATTTATTTCAAAAATAAAGAGCGTTTCAGCA
TCAGAGGATTTGTTGGAAGAAATAGAATCTGAGCTCTTATCTACGGAGTTTGCAGAACATGGAGTTTGGGG
ACAGGTTGTGGTGAAGGTGGGAAAATGGGGGGCTTTAAGGTTTAAAAAAGCCGGGTGGATTTGANNN
Table3 3326
gcCTTGTGCCTTCTGGAGGATTTCTCTCTAGCTCGACTCACTCTGGACTGACTCGCTCCCTGGCT
TTCTCAGTTCGTTTTGGGAGATAACTTGTTTTGCTCCAAGCCGCATCCGTTGACCCCTTACAGTCGGATGG
TCTAGATGACTGAATGGAGTTTTGAGTTGGACTTTTGTGTCCCTGACGGAGTTGGGCCTGATCCCAGAGCA
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AATGAGTGGCACACAGTCTACTATCACCGACAGGTTTCCCCTCAAAAAACCTATAAGGCATGGAAGTATTT
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GATAGCTCCTCCAAGAAGACAAAGTCTAGTTCAGAGGAGAGTAGATCCGAGATATATGGTCTTGTTCAGCG
TTGCGTAATCATCCAGAAAGATGACAATGGATTTGGGCTGACGGTCAGTGGAGACAATCCAGTCTTCGTAC
AGTCTGTCAAAGAAGATGGAGCAGCCATGCGGGCTGGAGTACAGACAGGTGATCGAATCATCAAGGTGAAT
GGAACTCTGGTGACTCATTCAAATCATCTGGAGGTGGTGAAGCTAATCAAATCTGGTTCCTATGTAGCTCT
CACTGTTCAGGGACGCCCACCTGGGTCGCCCCAGATTCCACTTGCCGACTCTGAAGTAGAGCCGTCAGTCA
TTGGACATATGTCTCCCATCATGACATCTCCTCATTCACCTGGAGCATCTGGGAATATGGAGAGAATCACT
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aagaGATCCAAGAGGCCAAgaaacACATTCCTCAGCtgtcaAGAGCAGTTATCcaatagCCACAGGCTCTG
CTCAGGATGGagctgtagttacaccctccagacctttaggggacaccctaacagtcagtgaggcagaaaca
gatcctggagatgtactgggcaggactgactgtagcagtggagatgcttctcggcccagtagtgacaatgc
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tctgttatctctattcagacctgtataaacataccaattccaaagaaactcgtcgcatcttccttgagttt
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Table 6
2517/3331

aaagAGAAGACCtgagctcattCCTGAGGATCTGCATCGCCACTATATCCAAACTATGCAAGAAAGAGTCC
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GAGCTGACTAAACTTGATGCAGAGCGAGACAAGGACCGATTGACTTTGGAGAAGGAGCGGACATGTGCAGA
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AGGGAAGCGAAGAGGATTCCCCAGCATCCTGGGACCCCCACGGAGACCAAGCCGTCATGACAACAGTGCAA
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GAACACTGAAGGTTCTTGATCAAGTGTTCTATCAGCGAGTATCCAGAGAAGGAATTCTGTCACCCTCAGAG
CTACGGAAAATTTTTTCAAACTTGGAAGATATTCTTCAACTTCATATTGGATTGAATGAACAAATGAAGGC
TGTTCGAAAGAGAAATGAGACCTCTGTTATCGATCAGATTGGGGAAGATTTGCTGACATGGTTCAGCGGAC
CAGGAGAGGAGAAATTGAAACATGCTGCTGCTACCTTTTGCAGTAACCAACCTTTCGCCCTGGAAATGATC
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TCGTCTTCAACTGAAGGATATTATTCCCACTCAAATGCAAAGGCTTACTAAGTACCCACTTCTGTTGGATA
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CCTTGATACCTCCAGCCTGAAGTTGTCAGAGTACCCAAATGTTGAAGAGCTCAGGAATTTGGATTTAACAA
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TTGCTGCTGGAAGACATTCTTGTATTGTTACAAAAGCAGGATGATAGACTGGTTTTAAGGTGTCATAGTAA
GATTCTGGCATCTACAGCTGATAGCAAACACACGTTTAGCCCTGTCATTAAGTTGAGTACAGTGTTGGTTC
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CTTCAAAATTAAAAGAGGAGCAGCATGGCATTTCAGTCACTGGTTTGCAGAGTCCAGACAGAGATTTGGGA
TTAGAATCTACCTTAATATCGTCAAAACCTCAGTCTCATTCACTGAGTACCTCTGGGAAATCAGAGGTACG
TGATCTGTTTGTGGCTGAGAGACAGTTTGCAAAGGAACAACATACAGATGGGACACTAAAGGAAGTTGGAG
AAGATTATCAAATCGCAATCCCAGATTCACACCTGCCTGTCTCAGAAGAACGGTGGGCATTGGATGCACTA
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CCAGGCAAGTAACATTTTAGTAATGGACCACATGATTATGACCCCAGAGATGCCTACCATGGAGCCAGAAG
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AATCAGATGTATTTATTTGACTTCATTCCGtatttgaaAGCAcattttaatttttatttgccttgttttgt
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AAATAGCAGGCACTTGAAAATGGGTGTGTTTTCTTCCATTGTCGTCTTTTCTATTGAGGGTTGGGattttg
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AAGGCCAGTAAAATTTTAGTACCTGGAGGTTTGACTCTAATTTTTGCACTGATGGTGCCAAAGGGCCCTGA
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Table 6
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AGCACGTCCTCTGACTTCACTGCCGCAGCTCTTTCCACACGGGGCCGTGATTGACCCTAAAAATTGCAGAC
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AGCACCCTACAGAGGGTAAGTTTCAGAATTGTAATTTGAGAACTCCTTCAATTATATTGACTTTCTTTGGT
TTTCCTTGTGCATTAGGTATATATTTTTTGAAGTATTTTTGCCAACTAAAATGAAGTCTGTAAATTCTGTT
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TCTGTGTTTTTAGGTGGATCAACTTGGATCTTTAGACCTCATCTATAAATTGAAATTATATTTTTAGTCAT
AAGCCAAGTACAATCTAACTCAGAATGGGATTAAAAATTTTAGAAGCAGAAGCTAATATATAAATGAAGTT
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GCACTCAATTAAGAAGCTTGTAGGTTAGCAAAATTTCAGTTTCTCTAGTTCAGCCAGTGTCTTGTCCTTAG
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TCCTTTCAGGATGATGGAATTAGATGCAGTCTGTCTTTGAGTGAGACTGGTCACCATCAGAGGAGTTTTTT
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TACCTTCCCAGAGCAAGCAGGCTGCATTTTAGCTATGGAAGTGACCTGCTGTGACACTGTGCTCTCTTCTG
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TATATTTTGCATACTTTAAAATCACCTAACTTGGACTGCTTGAATTACATTGGCTTTTAGAACCGAAATTG
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CAAAGTGGAAGCTTTCTTCTCTGAAGTCGATATATGGTTTTGAATTACTAGAGCTTTGGTCAGTATTTCCT
TCCCTATATGTCACAGAGGGCACCACTGAGAACTGCGTGCATAGGACCTCAAAATACAAAATTAGCAGGGC
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TTGCTCTTTGATAGCCACCTCCTAGGAATGGAGACAATAAAACTCTGTATTTGCATGTGAGCAG
Table3 3328
gGCCGCCCGGGCAGGTACGCGGGGACACTTCAGGTGCCCAGTGTCCACACTGACTAGTGGTGACG
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GATGTTATCACAAGATGGACAGAAACATTCCTGTTTGATTTATTTTTCAGACCCAGTTTGTGGAGAAAAAT
AATGATGCTTTACATATGTCTCTTGAATCCTTAATATGTGAATCCAGAGATAAGTTTATACGGGAATTATT
TGAATCATCCACAAATAACAACAAAGATACTAAACAAAAAGCAGGAAAACTTAGCTTCATCAGCGTGGGAA
ACAAGTTTAAGACACAGTTAAATTTGCTTCTGGATAAACTTCGAAGTACCTGCCCGGGCGgCCgc
Table3 3333 NACTGGCCACCACCTCTCTCGCCTGCTGAGTGC
Table3 3337
gGGAGTCGACCCACGCGTCCGCCGGCGGTTAGTGCTGAGAGTGCGGAGTGTGTGCTCCGGGCTCG
GAACACACATTTATTATTAAAAAATCCAAAAAAAAATCTAAAAAAATCTTTTAAAAAACCCCAAAAAAATT
TACAAAAAATCCGCGTCTCCCCCGCCGGAGACTTTTATTTTTTTTCTTCCTCTTTTATAAAATAACCCGGT
GAAGCAGCCGAGACCGACCCGCCCGCCCGCGGCCCCGCAGCAGCTCCAAGAAGGAACCAAGAGACCGAGGC

Table 6
2519/3331

CTTCCCGCTGCCCGGACCCGACACCGCCACCCTCGCTCCCCGCCGGCAGCCGGCAGCCAGCGGCAGTGGAT
CGACCCCGTTCTGCGGCCGTTGAGTAGTTTTCAATTCCGGTTGATTTTTGTCCCTCTGCGCTTGCTCCCCG
CTCCCCTCCCCCCGGCTCCGGCCCCCAGCCCCGGCACTCGCTCTCCTCCTCTCACGGAAAGGGTCGCGGCC
TGTGGCCCTGCGGGCAGCCGTGCCGAGATGAACCCCAGTGCCCCCAGCTACCCCATGGCCTCGCTCTACGT
GGGGGACCTCCACCCCGACGTGACCGAGGCGATGCTCTACGAGAAGTTCAGCCCGGCCGGGCCCATCCTCT
CCATCCGGGTCTGCAGGGACATGATCACCCGCCGCTCCTTGGGCTACGCGTATGTGAACTTCCAGCAGCCG
GCGGACGCGGAGCGTGCTTTGGACACCATGAATTTTGATGTTATAAAGGGCAAGCCAGTACGCATCATGTG
GTCTCAGCGTGATCCATCACTTCGCAAAAGTGGAGTAGGCAACATATTCATTAAAAATCTGGACAAATCCA
TTGATAATAAAGCACTGTATGATACATTTTCTGCTTTTGGTAACATCCTTTCATGTAAGGTAAGCCAAAAA
TGTCCGATACACATGTTTACATTGTTGAGCTACATTTAGTTTAGTGCTTGAAATAGGAACTGTGCAGTAAT
GGATATCTTTATTTCACAAATATCCAGGTTAGATGGCTAACAGATTGTCTCTCAACACTGAACAAATGTTA
AATCAATAGTAAATAAAGAAAAATGGGTATATGTTTTTCCCTAGGTGGTTTGTGATGAAAATGGTTCCAAG
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TATTGATGATGAACGTCTCCGGAAAGAGTTTTCTCCATTTGGTACAATCACTAGTGCAAAGGTTATGATGG
AGGGTGGTCGCAGCAAAGGGTTTGGTTTTGTATGTTTCTCCTCCCCAGAAGAAGCCACTAAAGCAGTTACA
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GGCTCACCTCACTAACCAGTATATGCAGAGAATGGCAAGTGTACGAGCTGTTCCCAACCCTGTAATCAACC
CCTACCAGCCAGCACCTCCTTCAGGTTACTTCATGGCAGCTATCCCACAGACTCAGAACCGTGCTGCATAC
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gtgaattgtagacactgtggcaacaaagcagggtccagaggagaagacccggcgccacggacaatgtcgtg
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Table3 3339

NNACGCGTCCGGAGCGCTGTAGGGAGCCTGTGCTGTGCCGCGCAGTTAGGCAGCAGCAGCCGCGG
AGCAGTAGCCGCCGTGGGAGGGAGCCATGAAGCATTACGAGGTGGAGATTCTGGACGCAAAGACAAGGGAG
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CTGTGCTTCCCCCAGGTGGAGCCCCACGCCACCATTGCGGAGATCAAGAACCTCTTCACTAAGACCCATCC
GCAGTGGTACCCCGCCCGCCAGTCCCTCCGCCTGGACCCCAAGGGCAAGTCCCTGAAGGATGAGCGATGTT
CTGCAGAAGCTGCCCGTGGGCACCACGGCCACACTGTACTTCCGGGACCTGGGGGCCCATGGATCAGCTGG
GTGACGGTCTTCCGTAACAGAGTCCAGCTGTGGCTCATCTATTATCCTGCTGGAATATAAACTGATTTTGG
GTCTATTATCTTATGCCACTGCTTGGCTTGGTTTAAGCTAGCATTTTGGGAATCCAAATGAGATAAGTGAA
AACATTATTTCCCTACAAATCTAAAATTTGAATAATCCTTTTTTTTAGTTTCTTCTCTTCCTCAGATTTGGA
TAAATCATGTTGGCACTTCAAGGAAAATGAGT

Table3 3340

cGGGGACCctaAGGCcgCCATTGTCCTGTCCTTCTCCCGCGTACCAGACCCGACAGGACCAGTGC
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GCATTTCGCTCACTTGCTGATCCTCAGGGACACCAAGACCTACATGCTTGCTTTTGACGTGAACGATGAGA
AGAACTGGGGGCTGTCTGTCTATGCTGACAAGCCAGAGACGACCAAGGAGCAACTGGGAGAGTTCTACGAA
GCTCTCGACTGCTTGCGCATTCCCAAGTCAGATGTCGTGTACCACGCAGTCCTTGAGGCAGTCCTGTGTGA
TTCCATGATCAGTTGTTTTTGTATTTTAACTATTCTTCCAAACCAGCAGATGTTTGGAAATTAAGGAAAAA
ATTAAATTCTCATCAATGGTTGCTGTTATAGTTAAATCAGTAAAGATCTTGAGT

Table 6
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Table3 3341
ACTTTTTAGCAGAGACATGGTTTCACCACTGATTCACTTCTTGCCTTAGTCTCAGAGATCTCAGA
CAGAAGCTGTGACCTTCTTGGCTAACCATGATGACAGTCGGGCCCTCTATGCCATCCCAGGTGAGTAGTTA
GCATTTGAATGGTGCCCGTCAAGAAGGAGTCTGGTGTGTCTCAGGGAGAGGATTCTGATGTCCTGTCATCC
ACTGGGAGGGATTATGATGCTGAGAGGTATGATATCAGGGTTATCCCATACTGGAACAAGGCCAGTTAATG
TTTCTTCTCAACCCCATCTCTCTCCTCTCCTGTGAGTTTCACCACTGTCTTTTGCATCTCTGTGCCAGGCT
TGGACTATGTTAGCCATGAAGACATCCTCCCCTACACCTTCACTGATCAGGTTCCCAN
Table3 3342
GCGTCCGGCAATAACTTGCTTTGTCACCTCGGCAAGTCATTTCCAAATCAGGAAGGGGTCAGTTT
CAGGAAACAGAAACTTCTCCAGCTGTTTTTGGCAGAAGGGGATTTAAGGGAATCAGGGTACTTAAAGTACA
TGGGAAGGCTGGAGAAGTCGCCTCCAGGAAGCTCCCACTGGAGCTGGGATCAGAACGTACTGTCCTGCCTG
CCATCCCCTGTAAGCACCCAGGAAGCTGGGCTTGGGCCCTGGGACATGGGGTGGGACTGCCACTCCTGCCT
CCTGACACCCACAAAGCCAGAAGCGTGGTGCTGCTGCAGAAGGACTGAACATCTCCAAGGCTGGGCCCGCA
GAGCAAACTTCCTTGGCCCTGTGTCCTCCATCCATATCCTTCAAAGGACACCTCATTAGTGGACTCCATTT
CTCTCTTCCACGGAACTCCAGTGGCAAGGGAATCCAGAAACGTTTTCTTTTTGCCTGGAGATGCTAATCCT
TAGCCTAAGAATAAGGAAACTGGTCCATGTAAGGACTGACCATCCTTTCACCCATCTGTCTGCCCACTTGT
GCATCCATCCCATTTTATCCATCCATTCCTCCAGTTGTGGACACCAGATGACTTTCAGCTCCCCCTACCCC
AACCAGAACTTTGCTGCAATGGCCATTCTTATATGCCCCTATGGACCCATGGGACAATTCTCTGGGATACA
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CCTGAGATAGCTCCTAGACCCCAGCCCTCTGTGTCCTCAGAATCACACACTGCTGCTCATCACTTCAGCTT
CCCGAAGATCATGGCAATAGCAGCATGCCTGTAACTGTCCCAAGTACAACCAAAAATTCTTCCTAAAGAGA
GGGAACCAAAGTCACACGGGTCACCTTGTCCACCTGTGTGGACGTTGCTCATGTTCACATACCCTTCCTTG
CCTCCTTCAAGGCAGGTCTGGCCACAAGCCCACACCTGGCTAATTTGTAAAATTTTTTGTAGAGATGGGTT
CTTACTATGTTGTCCAGGCTGGTTAAGGCCTCCTGGGTTCAAGTGATCCTCCTGCCTTGGCCTCCCAAAGT
GCTGGGATTATAGGTGTGGGCCACCCGGCCCAGCCTTACCCTTTTTTAGGAATTAAGTCCTCCCCTCCAAA
NNNN
Table3 3343
ACGCGGGTGGGAGATACCTCCCCAGTGTCCCCAGGCGGTCTAATGATAGAGACACCTTGACGACC
ACAGGCATTATTATGAGAGACACACTTTGCCAAACCCAGGCAGTCTAATGGCTAGAGACAATTGGGCGACA
AGCATTCTAGCGGGAAAAATTCCCGGCTGACCCCAGGCATTGTAATAAAAGAAAAGCCTGAGTGATCCCAG
CCATTTTCATGGGAGAGACTCTTGTTCGACCCCAGGCATTTCTTATGGGAGGGACTACTGGCCAACACCAG
ACAGTCTAATAAAAAAGACATGTAGATGACCCCATGCATTCTTTTTTTTTTCACACTTTAAATACTTTATT
TATATAAAAACTAANNNNNNNNNN
Table3 3345
NGGAGTTGGACTGTGAAGAAACATGGCGGCCGCGACGTTGACTTCGAAATTGTACTCCCTGCTGT
TCCGCAGGACCTCCACCTTCGCCCTCACCATCATCGTGGGCGTCATGTTCTTCGAGCGCGCCTTCGATCAA
GGCGCGGACGCTATCTACGACCACATCAACGAGGGGGTGAGGGCCTGTGCCATCCCTGACCTTGGACCCGC
CTGAGGGGTGACAGTGGAGTAGAGAAGCTGTGGAAACACATCAAGCACAAGTATGAGAACAAGTAGTTCCT
TGGAGGCCCCCATCCAGGCCAGAAGGACCAGGTCCACCCAGCAGCTGTTTGCCCAGAGCTGGAGCCTCAGC
TTGAAGATGATGCTCAAGGTACTCTTCATGGACCACCATTCGCTCTACCCCCTTTTATACCTCATGGACCA
CCATTCGCTGTTGGCAAGAAACGGCTTTACTTACTAAACAGACTCTTTACCTTCTGCTGTGTTTGAAGTAT
GTTTAGTCAGCATGCTCAGGAAATAAATGTGAATTGCCCTTGTACAAGGATACTTACTGCTCTGCCTTGGG
GGCAGGAACCCCGGAAGGGAAATAATATTGAATACATTCAACTTGTGGATTGGAAAGTGGCTGACGCTAGA
ATGAGGTTATGAAGCTGCTGGAAGAGCTTTGGCGAGGACAAAATCGAAGATGAAAGTCGTGAGCCTGCTGG
ACTCCACATCATCCATGCATAATAAGAGTGCCACATACTCCGTGGGAATGCAGAAAACGTACTCCATGATC
TGCTTAGCCATTGATGATGACGACAAAACTGATAAAACCAAGAAAATCTCCAAGAAGCTTTCCTTCCTGAG
TTGGGGCACCAACAAGAACAGACAGAAGTCAGCCAGCACCTTGTGCCTCCCATCGGTCGGGGCTGCACGGC
CTCAGGTCAAGAAGAAGCTGCCCTCCCCTTTCAGCCTTCTCAACTCAGACAGTTCTTGGTACTAATGTGAG
GAAACAAACATGTTCAGGCCCCGAACATTTCCGGTGCTGACTCGGCCTTAAACGTTTGTGCCATAATGGAA
AATATCTATCTATCTGTTCTCAAATCCTGTTTTTCTCATAGTGTAAACTCACATTTGATGTGTTTTTATGA
AGGAAAGTAACCAAGAAACCTCTAGGAATTAGTGAAAAAAGAACTTTTTTGAGGTGTGTTACTATACTGCT
GTAAGTTATTTATTATATAAAGTATTGTAAATAGAATAGTGTTGAAGATATGAAATATGGCTATTTTTAAT
GGTGACAATTATGACTTTTAGTCACTATTAAATTGGGGTTACCTATATCAGTACAATTTGTAGTTGTTTCC
AGGTTTGGCTAATAATCATTCCTTAACCTAGAATTCAGATGATCCTGGAATTAAGGCAGGTCAGAGGACTG
TAATGATAGAATTAAATTAGTGTCACTAAAAACTGTCCCAAAGTGCTGCTTCCTAATAGGAATTCATTAAC
CTAAAACAAGATGTTACTATTATATCGATAGACTATGAATGCTATTTCTAGAAAAAGTCTAGTGCCAAATT
TGTCTTATTAAATAAAAACAATGTAGGAGCAGCTTTTCTTCTAGTTTGATGTCATTTAAGAATTACTAACA
CAGTGGCAGTGTTAGATGAAGATGCTGTCTACAAGGTAGATAATATACTGTTTGATACTCAAAACATTTTT
CATTTTGTTTAAAGTAGAAGTTACATAATTCTATATTTTAAGTCTTGGGTAAAAAAGTAGTTTTACATTTT
ATAAAGTAAAGATGTAAATGATTCAGGTTTAAAGCTCTATTTGACTTCCTTTTTTTGTTTGAGATAGCGTC
TTGCTGTGTTGCCCAGGCTGGAGTGCAGTGGTGTGATCTCAGCTCAGTGCAACCTCCGCCCCCTGGGATCA
AGCGATTCTCCTACCTCAGCCTCCCAAATAGCTGGGACTACAAGGTGCCCTCCAGCATGCCTGGCTGATTT
TTGTATTTTTAGTTGAGGTGAGGTTTCACCATGTTGGCCAGGCGGGTTTCGAAATCCTGACCTCAAATGAT

Table 6
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CCACCCACCTCAGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACCACAACCGTCCCACTATTTTACT
TTTTAAAATGACATTCCTACTGATTGATTTTTATCTTGCTATAAGTTCGATGACACCGTGAATCTAATAAG
GTTCACTGTTGACACAGTACAAGTTACATAGCTAAAATACATAGCATTGAAGACTAATTTTAAGGATTGAC
AAGAGTTTATTTTCTATTGTGCAATATCTTAAAGGAAGCAACCACCTTTGGGAAAGTGTATCTGCTGCTCC
TAGGGCCATGCTTGTATACATATTTAAATAAACATATTCATTTACCCGAAAAAAAAAAAAAAAANNNNNNN
NNNNNNNNNNNNNNN
Table3 3346
ACGCGGGGACACTGACTAGTGGTGACGGCGTTGGACAGTGCAGATACAGAACATTTCTGTCATCA
CAGAAAGTTCCTTTGGACAGAGCCATGTTAAGTGATGTTATCACAAGATGGACAGAAACATTCCTGTTTGA
TTTATTTTTCAGACCCAGTTTGTGGAGAAAAATAATGATGCTTTACATATGTCTCTTGAATCCTTAATATG
TGAATCCAGAGATAAGTTTATACGGGAATTATTTGAATCATCCACAAATAACAACAAAGATACTAAACAAA
AAGCAGGAAAACTTAGCTTCATCAGCGTGGGAAACAAGTTTAAGACACAGTTAAAATTGCTTCTGGATAAA
CTTCGAAGTACCTCGGCCGCCc
Table3 3347
NAGTCGACCCACGCGTCCGGCTGCTCCCAAGTGTCAGGAAGCTGCTCAGGAGGAAGACCCTCGAG
CGGGAGACTGCAAGCCCCAAGACTTCAAAGGTACTGCAAAAATCACCCTCGGCAAGACGAATGTCTGACGT
GCCGGAAGGGAGTCATACGGGTCCATGCTCCACTTCTCTCCAAGGTGTCCATGGCCATTCAACTCAACAAT
CAAACCAAAGCCAAAGACATATTGGCAAAATTTCAATATGAAAACAGAATACTGCACTGGCAGCGAGCTGC
ACTTTCCTTCCTAAATGGAAAATGGGTTAAAAAAGAAAGAGAAGAGTCGACAGAGACCAACAGGAGCCCCA
AACATGTATTCCTCTTCACTATTGGCCTGGACATCTCCACATAGGCAGTCATATAGAGACTTGAAATATCA
TTCAAGGGATTTGGGTATCCAGTAGACTTTAGTTACATATACTAAAACTGACTTTGTACTCTCAAGTA
GACCTTTCGTAGAAAGAAAATGTTTCTAATAAAAATGTATTAGAACNNNNNN
Table3 3350
TCCGCGGACGCGTGGGCGGTGGCCGTCCGCCCACTCCGCGGCGTTCGGGGAAATGGCTGCGAGAC
CCTAGAGGCCTGCGGAGCTTACTCCACGGGAACAGCCTCTAGATAATCTGAGTGTTGAAAATACGAAGCCT
GTTACTCGTGAACAGTGGCTGACAACAGTGTTGTTGTGAGCCTGGCTGTCTGCTTGGACCCAGAGGTTTCG
TCTGCCAGGGTTTTGGTTGTATTTAGGATTTCAGGGAAAAGTGTCCAAGCTTTCAGTGTGGAGCAGGTATG
GACGACAAAGGCGACCCGAGCAATGAGGAGGCACCTAAGGCCATCAAACCCACCAGCAAAGAGTTCAGGAA
AACATGGGGTTTTCGAAGGACCACTATCGCCAAGCGAGAGGGCGCAGGGGACGCGGAGGCTGACCCACTGG
AGCCGCACCCCCACAGCAGCAGCTGGGCCTGTCCCTGCGGCGCAGTGGGAGGCAGCCCAAGCGCACTGAGC
GCGTGGAGCAGTTCCTGACCATTGCGCGGCGCCGCGGCAGGAGGAGCATGCCTGTCTCCCTGGAGGATTCT
GGTGAGCCCACGTCCTGCCCCGCACAGACGCCGAGACAGCTCCGAGGGCAGCGTGGAAAGCGCTTCTGAGA
CCAGAAGCGGCCCCAGTCTGCTTCCACAGTGTGAAGGAACGACCAGCTCTTCTGAAAAGGTGAAAGGAGGG
GATGACCACGATGACACCTCCGATAGTGACAGCGATGGCTGACCTTGAAAGAGCTTCAGAATCGCTTCGCA
GGAAGCGGGAACAGGAGCCCACTGAGAGGCCCCTGAAAGGGATCCAGAGTCGCCTGCGGAAGAAGCGCCGG
GAGGAGGGTCCCGCCGAGACTGTGGGCTCCGAGGCCAGTGACACTGTGGAGGGCGTCCTGCCCAGTAAGCA
GGAGCCCGAGAACGATCAGGGGGTTGTGTCCCAGGCTGGGAAAGATGACAGAGAGAGTAAGTTGGAGGGAA
AGGCGGCTCAGGACATCAAAGATGAGGAGCCTGGAGACTTGGGCCGACCGAAGCCTGAATGTGAGGGTTAC
GACCCCAACGCCCTGTATTGCATTTGCCGCCAGCCTCACAACAACAGGTTTATGATTTGCTGTGACCGCTG
TGAAGAATGGTTTCATGGCGATTGTGTGGGCATTTCTGAGGCTCGAGGGAGGCTTTTGGAAAGGAATGGGG
AAGACTATATCTGCCCAAACTGCACCATTCTGCAAGTGCAGGATGAGACTCATTCAGAAACGGCAGATCAG
CAGGAAGCTAAATGGAGACCTGGAGATGCTGATGGCACCGATTGTACAAGTATAGGAACAATAGAGCAGAA
GTCTAGCGAAGACCAAGGGATAAAGGGTAGAATTGAGAAAGCTGCAAATCCAAGTGGCAAGAAGAAACTCA
AGATCTTCCAGCCTGTGATAGAGGCGCCTGGTGCCTCAAAATGTATTGGCCCCGGGTGCTGTCACGTGGCG
CAGCCCGACTCGGTGTACTGCAGTAATGACTGTATCCTCAAACACGCCGCAGCGACAATGAAGTTTCTAAG
CTCAGGTAAAGAACAGAAGCCAAAGCCTAAAGAAAAGATGAAGATGAAGCCAGAGAAGCCCAGTCTTCCGA
AATGCGGTGCTCAGGCAGGTATTAAAATCTCTTCTGTGCACAAGAGACCAGCTCCAGAAAAAAAAGAGACC
ACAGTGAAGAAGGCAGTGGTGGTCCCTGCGCGGAGTGAAGCACTCGGGAAGGAAGCAGCTTGTGAGAGCAG
CACGCCGTCGTGGGCGAGCGATCACAATTACAATGCAGTAAAGCCAGAAAAGACTGCTGCTCCCTCGCCGT
CACTGTTGTATAAATGTATGTATCACCTAGGGGTTGGCCTCCTGGACCCCTCCCGTTCTTTCTGGATAGCA
TCCCCTGGGCCTGTCCAGGACTGGGAGTTGCAGCTTGTGTTAAGCTGATCACAGACACGGTGCCCTCGGGG
AGCAGAGCCGGTAGAGCCCCGTGCCGGTCCCCATTGGGGATCTGGCGGTCCAGGTCCCTCGAGTCTCGGGT
TCCGGCCCGCGGGATTCTCCCTGGCGCNNNNN
Table3 3355
NNNNNAGGTGCCACTATAGAAGAGCTATGACGTCGCATGCACGCGTACGTAAGCTTGGATCCTCT
AGAGCGGCCGCCTACTACTACTAAATTCGCGGCCGCGTCGACAACTGTATGTGCGAGGGCAGGAGTATTTT
TGTATTAGAAGAGGCCTATTAAAAAAAAAAGTTGTTTTCTGAACTAGAAGAGGAAAAAAATGGCAATTTTT
GAGTGCCAAGTCAGAAAGTGTGTATTACCTTGTAAAGAAAAAAATTACAAAGCAGGGGTTTAGAGTTATTT
ATATAAATGTTGAGATTTTGCACTATTTTTTAATATAAATATGTCAGTGCTTGCTTGATGGAAACTTCTCT
TGTGTCTGTTGAGACTTTAAGGGAGAAATGTCGGAATTTCAGAGTCGCCTGACGGCAGAGGGTGAGCCCCC
GTGGAGTCTGCAGAGAGGCCTTGGCCAGGAGCGGCGGGCTTTCCCGAGGGGCCACTGTCCCTGCAGAGTGG
ATGCTTCTGCCTAGTGACAGGTTATCACCACGTTATATATTCCCTACCGAAGGAGACACCTTTTCCCCCCT
GACCCAGAACAGCCTTTAAATCACAAGCAAAATAGGAAAGTTAACCACGGAGGCACCGAGTTCCAGGTAGT
GGTTTTGCCTTTCCCAAAAATGAAAATAAACTGTTACCGAAGGAATTAGTTTTTCCTCTTCTTTTTTCCAA

Table 6
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CTGTGAAGGTCCCCGTGGGGTGGAGCATGGTGCCCCTCACAAGCCGCAGCGGCTGGTGCCCGGGCTACCAG
GGACATGCCAGAGGGCTCGATGACTTGTCTCTGCAGGGCGCTTTGGTGGTTGTTCAGCTGGCTAAAGGTTC
ACCGGTGAAGGCAGGTGCGGTAACTGCCGCACTGGACCCTAGGAAGCCCCAGGTATTCGCAATCTGACCTC
CTCCTGTCTGTTTCCCTTCACGGATCAATTCTCACTTAAGAGGCCAATAAACAACCCAACATGAAAAGGTG
ACAAGCCTGGGTTTCTCCCAGGATAGGTGAAAGGGTTAAAATGAGTAAAGCAGTTGAGCAAACACCAACCC
GAGCTTCGGGCGCAGAATTCTTCACCTTCTCTTCCCCTTTCCATCTCCTTTCCCCGCGGAAACAACGCTTC
CCTTCTGGTGTGTCTGTTGATCTGTGTTTTCATTTACATCTCTCTTAGACTCCGCTCTTGTTCTCCAGGTT
TTCACCAGATAGATTTGGGGTTGGCGGGACCTGCTGGTGACGTGCAGGTGAAGGACAGGAAGGGGCATGTG
AGCGTAAATAGAGGTGACCAGAGGAGAGCATGAGGGGTGGGGCTTTGGGACCCACCGGGGCCAGTGGCTGG
AGCTTGACGTCTTTCCTCCCCATGGGGGTGGGAGGGCCCCCAGCTGGAAGAGCAGACTCCCAGCTGCTACC
CCCTCCCTTCCCATGGGAGTGGCTTTCCATTTTGGGCAGAATGCTGACTAGTAGACTAACATAAAAGATAT
AAAAGGCAATAACTATTGTTTTGTGAGCAACTTTTTTATAACTTCCAAAACAAAAACCTGAGCACAGTTTT
GAGGTTCTAGCCACTCGAGCTTCATGCATGTGGAAACGTGNN

Table3 3356

NNNNNNNNNNNNCGGAAGTCTTCTAGAATTAATTAACGCGGGGGCTGATGCCATTTTCAGCCTCA
GCACGCCTGCACCCAGGCGCTCATTAAAACAGCATGTTGCTCCCCACTGCCTCGTGTTGTCTGTTGGCGCG
CTGTCGGGGTTCGAACCGATACAAGAACCTTCCACCTACCTGGTGCTTTGGCCTCATCTATAAGCTTTTCC
ACTGTCCTGAAACAAGATAGAGAATCTGAGCGGCCAGTCATCTGCCCTAAGTGCTGCCGCCGAAGACTGAA
TGTCCTGGAAAGTTTGCTGTCACATCTCCATTATGACAAAAGCATTGTGCCGAACAGATGAAAAAATGCAT
TGTCAACGGAATCTTTTATGTTTGTTTGTCTTCCTTTAAGCAACATTGCCTTACTTGTTATAAAAGATAAA
TAAATATTTGTTCATTTCAAAAAAAAAAAACACCCAGCATAACACACAACAAAAACGTTTGTTGGCCGCGC
ACGAGCGACCCCGAAAAAAAGGCTTTCTACAACCCAACTCGTTGGGGGGCCCAGCGGCACCCAAAGATGAA
TATGGCGACACGTGCCCACACAGCGGGTCCCAAGAGAACCCGTGCCGAGCCACTGGGCGCTGGTTTCCCCC
CAAATAAAACGCCCGGGGGACCACGGGCCGTTCTGGACACACTCAGAGGGGCTCCGAGCGCCAAACGGGCT
ATCAACACGGGGCCAGGAGCTGAAAACCGCCCCGCGNNNNN

Table3 3357

NNNNNNNNNNNNNNNNNGGCAGCTTTCAGGTTAAAAGTCCTCCGGGTAACGGCAGAAACCAAATA
GTCAATCATTAAGGTGCCTGACTGCACGTAGGCAATAGTTATCGCAGGACTGAAGCCCCCTTTGCAGTACA
ATTTATCCTTTCCTAGATGCCCCTGAGTACGGAGGACTGGAGGAGGTAGAAAGGGAAAGAAAACCTCCTTC
TGGCAGGATGTAGCTTCTGCTGCACAAGGTAGGATGATGACAAAAGGTTTTCACTGCTGGGGAATGGATGA
TTGCGGGAGAAAAAGAATCTCGGAAAAGAGTCGGGAGGGAACTAGGAGGGAGTGGCCAGAAGGAAAGGAAC
AAATACTTGAGACGTGAAAAATGTGAGATGGATGAGGCTAGGTTTGGAGTCAAATGTTGGCTGAGAGGGAG
AATTTAAGTGATGGATGGATGATCATTGTCTAAAAGAGGAATGAATTTAGAAGTTTGTCCTCATGCCCTCA
TAAACAAACACGAAATGATGGATTATGGGATACATTTTCCATAACATGGCAAGCGTGGTACTTGGACGGAT
AAATAAAAGCCTGAGTAATATTTTCTAAATTCTTAAAAGTAAGAAAGAGGGTCTAAGAAAGTAAACTCAGA
GCCAGGGACTTGGCCCATGTTAAACCCCAAGCACTACAGCTGGCTTTTACTCAACCCGTGGAAACTGACCA
GGGTATAGAGCCTGATATATCTTCTTAGGTGAAGGTGAGACACCAGACCTAAATCTGTCATCTCAAGAGTA
GAAGGATGAACCACACATACAAACCCATCACAGATGAATGCAAATAAAAAAGTCAGCTCCGAAGTTGGGTT
CTGAGCAGTGTAGATTCTACTGCTAAGGCTTGGACTACAAGCC

Table3 3359

AGTAGAATATTGATTGTCCTATATCCCATTTTCTTGAAGAGATTCTGGCTTCTAATATATGTTCC
TAAAAAAAAATTTATCGTCTAGTAGTGATGTCTTCATGTTTCACCCAGCTGTCTCATAGGCATGACTAAGC
ATCTATTTCATCACCTGGCTCTGGATGCCTCCTCTCTTTACCATTGGGGAAAGGCATTTGCTGATTCCTTT
TGATATACCTGAAGTATTGATGCTAGAGAAATCACTTCCAATATAACAGCATCGTTTGCAGATTTTCACTT
CTGTGCTGCCTCAAGATTATGGN

Table3 3360

ACAAGCCGTCCACTGCAGGAATGACGTGCTGTAAAAGGGATGCAGTGTCAAGTGTAGTCATGGAT
GGGTGGGAAGACCAGACAAAGGCATCCAATGGGACTGACTTACCTAAACAAACCAGAAGGAAGTCAGAACA
GTGGGAAGATCTGATAGATAAGCAGTATTCTGCAGGCAGATGAAGGAGCAAGCTTTGGGCCCCCAAATCTT
CACCAGTGCATCCACATTACAGAGGATAATGCCTGAGGGAGGGGAAGATCATCTCAGGATTCTGGAACACT
GGGCCCTCCCTTTCTTATTCCAAAAGGCTGGAGCAGTTCTGCATGTAGGCTTCTCTGGAAATGGTCTAGGA
ACCAGCTCGTCCAGGCCAGGAGCACCTGATCATTCTCAGAGTTACGTACCTCGGCCGCTCTAGACTAGTGG
ANNNNNNNNNNN

Table3 3361

acattgttgtatgtcccgcacaggtccactgcttctctccgatttgtccgcgttattatctcgcc
tgtggcctttgtcagttggtgtcgttgctgcccctgggattgtccccgccctctttgtcgtttgcacgcag
ctgctgtctgtgccacgtctggtgtcactggcgcatatcctgcttctgtcctctttttctccccggggtcc
cgcggtttccgtgctcaaccctcctgtggttcccggggattccaggctcatgcccacccagccgcgctaat
ttttgtaatttttaggggtttcctccatgtcggccaagcctgtctagagctcctgacctcaggcgatccgc
cgcctcggccttcccaagcctgggattaccagcgcgtaagcccccgcgccggctctgtcattctgtctttt
acTTTTTGAGATAGAGTCTCGCTCGGACGCTCAGGTTGGAGTCCAACGGCGTGATCTAGGCTCTCTGCAAC
CTCCGCCTCCCGGGTTCAAGCGATTCTCCTGTCTCAGCCTCCCGAGTAGCTGGGATTATTGACGGGCAGCA
CCACGCCCGGCTACTTTTTGTGGTTTTTGTATCTTCTGTCTTCTGCTCTTTAGTACCGCATAGAGCCGCAG
AAGACTAGCGAGTCGAACAAACGGCCCCTCTTGCAGCAGTTGTTGATCACGGGGCTGCCCCCCGGTACTCA

Table 6
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TCCTGTGTCTCTCGTCCAAATCCCCGCTCCTCCTCAGCTATCACCTCTGCCGATGCTGGTGGTTTCCCTGG
GTACCGGGAACCAAACTCTCATTCCCCAGGGGGCCTAAGACCCCCGTGGCCAGGCCCTTCTCAAGTCAGGG
TTCCTGCACATTCACAGTTACGGGTGGCCCTGGGAGTAACACCTGGCACCCAAACAGGTCACCAGAGTCCA
CACATAGTCCACCTGCCCTCCCTGCGTAAGATCAGCTCTTCCTCCTCCCGACGAATAGATCAGGATCAATG
ATCCCTGCCAAGATGGCGACTGCTCCAGCCTGCTGGTCCAACCTGTCCAGCCACAGCTGTTGCTCGAAGGC
TTGAAGTTCAATGGGACCCTCTCCCGCTTTCTACAAACTGGTTCCTTTATTTTTATGTTTATTTGGGACGG
GGTCTGGCTCTGTCACCCAGGCTGGAGTGAAACTCCATCTCAAAAAATAAAAAATAAAATGAAAATAAAAT
TAAGAGGTAGACGCTAGGCTTGAGTCCAGAATTAGAAATCTCCAGAGCTAGGGTGTTTTCTAAGAAGCCCC
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ACAGACATTTATGGGGGAGATGGAGAGAGGAGAGATTAAGGAGAAAAAGGTAATTCCGGAGActaAGTGGG
GAGAGATGAGCAGAGCGG
Table3 3362
CTTCTTCCTGCTGTCGCCGAAGAATTTCCTCCTGTTGTCTTCGGAGTTCTTCCTGCCTCTTTCGC
TCTTCCTCTTCCCGTTTTGCCCTCATTTCTGCCTCTCTTCTCTCTTGCTCTGCGATCTATGCATTTCTCTG
CCACCTCCTCGACCAAAAACACCCTCTACTTCATCAAAACTTCTTTGGTAGAAACCACATTCACCTCTGCC
TCTGCCTCGCCCTCTTGAAGAACTTCGACCTCTAGGAGCCCCCACCACTGTTCCTCCTCCTCCTCGTCCTG
TCAATCGCAGGACAGCAGCGCTATTTACAGACATGGAAAAGTTTCTCTGTTCTTCTTCTGTAAAGGGTACC
AGAGCCAATGGTGGAAGGGGTTCCTCTTGGAGGATAGGCAGAAATTCTTTATCCAGAAGGTCTGAAGGTAT
CTTGTTGTCTTTAAGGAAAAGTGCTAACATTTCTTCTCTGCCGTAACGATAATCTGCTAATTTATACTTCG
GCAATGCTGGAGAAAGAGGAGGGGATGTAATACTCCCACCACTGGACAGAGCTCGGAGCCATTCAGGCCCA
AAGTTCAGTGTCTGCGTTTCCGCTGCCATTCTTTTCCGTATTTTTACAATAGATTTTTATATGTGAAGAAA
CCTGTTCAAAAATTCTGCTGGTTCACAGCAGGAGATTTGAGCAGACTTTGTTCAGATCCTTTTAACGCTCT
AAGAGACCTGGGTTAACACCAACATAGGCTGTAGATTCAACCTAATGAGACTGGTCCCACTATAATCTGCC
GTCCGGGACAGGGAGTCTCACAACCCCAGTCAGTCCCGGACGCTGGGCGAN
Table3 3363
NCACAGTGAGCGGAGCGCCTGGGCGGCGGCGGCGGCGGCGTGATGGCTCCGGCCGCGGACCGAGA
GGGCTACTGGGGCCCCACGACCTCCACGCTGGACTGGTGCGAGGAGAACTACTCCGTGACCTGGTACATCG
CCGAGTTCTGGAATACAGTGAGTAACCTGATCATGATTATACCTCCAATGTTCGGTGCAATTCAGAGTGTT
AGAGACGGTCTGGAAAAACGGTACATTGCTTCTTATTTAGCACTCACAGATGGAGTCTCACTCTGTCGCCG
AGGCTGAAGTGCAGTGGCACAATCTCGGCTCACTGCAACCTCCATTTCCCGGGTTTACGCGATCCTTCTGC
CTCAGCCTCCCAAGTAGCTGGGACTACAGTGGTAGGAATGGGATCCTGGTGCTTCCACATGACTCTGAAAT
ATGAAATGCAGCTATTGGATGAACTCCCAATGATATACAGCTGTTGCATATTTGTGTACTGCATGTTTGAA
TGTTTCAAGATCAAGAACTCAGTAAACTACCATCTGCTTTTTACCTTAGTTCTATTCAGTTTAATAGTAAC
CACAGTTTACCTTAAGGTAAAAGAGCCAATATTCCATCAGGAGTCTCACTCTGTCACCCCGGCTGAAGTGC
AATGGCACAATCTCGGCTCATTGGAACCTCCACCTCCCAGGTCATGTATGGAATGTTGGTCTTTACATTAG
TACTTCGATCTATTTATATTGTTACATGGGTTTATCCATGGCTTAGAGGACTGGGTTATACATCATTGGGT
ATATTTTTATTGGGATTTTTATTTTGGAATATAGATAACATATTTTGTGAGTCACTGAGGAACTTTCGAAA
GAAGGTACCACCTATCATAGGTATTACCACACAATTTCATGCATGGTGGCATATTTTAACTGGCCTTGGTT
CCTATCTTCACATCCTTTTCAGTTTGTATACAAGAACACTTTACCTGAGATATAGGCCAAAAGTGAAGTTT
CTCTTTGGAATCTGGCCAGTGATCCTGTTTGAGCCTCTCAGGAAGCATTGATGAATCATTCCACCAAGAAA
ACAAACAAGCACCTACCATAGACCTGGCAGAATAAATAAGGAAATCCTTAAAGATCTACAAGTTCAAATAT
GTCATGACCATCACAGCAGAGGAGTGACTTTCTGACTAATGCTGCCACCCACACAGAGAATAAGGAGTAGG
GCCTGCTGGGTGTTTAGCTCATGGCTTTATCTTATTTGTCCCCCTCCTCCTTTCACGCTCCAGTTTATAAA
GAAACAGAGATGATGTGTGTGTATGCCTCAAATGCAGAAACAGTTGGGCTTTTCTTAACAGGTTAACAGTT
TGTGCTGGTTATAAGAAATTAACCTTCTTTTCTTTTTGCCAAGGGTTGCATGTGAATTATACCTTTCTTAA
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CACTCAGCTGTGTCAGATTTGATTAATATTGTATTAATCTCATGGATGGTTCTCAAAGGTAAAAAAAGAGA
GAGAAAGAGAGAGAGCTAGCTGTGGGATTCTGTGTAGTTCTTCACTATCTGTTCCAGGGCTAGTCGGAGGA
TCATAAGCAAGCTCAGACCTGCCCCCAGTTCAGTACTTGACCACATCCCAGGATTTATGGTGTCTGTCTAT
GGCCACAGCCAACCAGAATGAGTGGGTCATCTTATAACCTTTCTGAAGCTCCATGAGGACATGTATAGAAT
GCTGCACCTTCAGCCAGCTCTGCTCTGATCTTTGCAGATCTTTAAGTTGTCACTGTTTCTACGGCTAGACA
AATATGACTGGTGGTCTAGACTACCCATAGTTCATCCTCCTCACATAACTTATTTGAAGTTGTCAGGGAAT
GTCATTACACTCTGATTTTTAAAATTATGCAGTATTTTCCAGTTCTCAGAGAGGTCATGGTTGTACCCAGG
GAAGTGTGTTGCATTAACTAAAGCTAAAATTATCAGAATCCTATTTACATAAAGCATATTAAAATATCTGC
TCCTTAATTTTCTGAAGGAAATAGATGTAAGTTTCTGCTACTTGAAACCTACAGAACCGACAAAAATTAGG
GTGCTAAAAAAATGACAGTGAAATCTCATCGTAAGGCAGCTAGTTCTAATTTGCATTTGAATGTATAACAA
ATTGCATCACTTTTCACAAACTTAACACCTGCCTGGAGTAAAAATCTGATTTGACCCCTCTGCTCATGTTT
CATCATATTTGTAGCTCTGCATCATTTAGCATTTTTATGACTTTTTTTGCTTTATATAAATTATTGTAAAA
TCCAGATTGTTTTTACCACATGATGACGTGACTCAGGATTAAATCCTGAGCTACAGTTTCAAAAGGAAAAT
CATTTTTTTCTTATGCAAAGATGGTAAAACACTGTTGTCATTTTTTCCAGTATTCAATAAGTAGCCTTTGT
ACAAATTTAAAACCAAAAACTATTCTGTTGTTTTTCTTCACCTACTAGCCTTAGTTTTTAACCAAGTATCC
AAGGATGTCAACTTGACATCCTTCCCTTAGCATGCCAACAAGCCATTAGACTGATTCTTCCACCTACTTTT
ATGAACCTCCAGGAAGAAAAACACTTGCCAAAACATTAAGAGAACTTTGATTCTGCCTTAAGAGGGTATAG
AACTAAACCATTTGAAGGCACAGCCCATAAGACTATACTTGATTTTGCCCCAAGATTCTGACTTCTGGCTA

Table 6
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CATTTCACCTGCAGTTACCTGGGCTATCGGCCGTGATACATTTTTTAATTCATTTGTTTTCCACCATTATA
TTTTTATACTTTTCAGTTAGATATACTTCTGCATAAAGAGTATATATACAGTGTAGGATAAAGGCATATCG
TACATGGCAATGCTGTTAAACATGGTAAGACTGAGGTTCTGCAGGATTAAAGTCAGATTAAGGGTACAGAA
AGCACACCTTGATACTGAGGCCATTTAGAGCAATTTGTTTAATGAGTGGTTCAGCCATCACCACCAGTGGC
CACCTGTTCAATAAAATTGCCTAGCACCACAGTGGAGAGTCATCTACACCCCAAGGTGAGCTGTAAGACTG
GCCAATTCTTTGAAGACCTTTTTTTCTGTTGGGAGAATGGAAAGCAGAAAGGGAAGCCAGGCTCTTTAATG
TTCCAAGTCAGCTGTGCCTCACACAAGGCTCTCTTTTTAGCTACTAAGTAACATACTCAAGACTTTGTATC
TGTGCAGCATTTTATGGAAATCACTGGTGACCTATAGGATATTACTAAATTATTTCAATAGCTTTATTTTT
TTCCTACTTGGATTCTAGGTGGACATTACAGAGTTGAATTCCTCACTACCCCCTCCCGCTGTCATTTGTTT
TATTGGAAAACTTCATGTTAACTAGAGTGTACAAAAAGTCTGTTTCCTGCTGAGCCAATAGTGATTTGTTT
GCATATCACCTAATGTGAAAAGTGCTCATCTGTGAACTCTATAGCAAATTATATTTTAGAAAATACTTTGT
GAGGCCGGGCATGGTGGCAGAGCGAGACTCCGTCTCAAAAAAAAAAGAAAAGAAAAGAAAATATAAGGATGT
AAAAGAAGCAATTTGCTTGCACATCTGAATATCCTTCTTGTGTCTCCATTTTCACTCTTGAAAACTGAAAG
CAATTTGACTTTTATTTTTGTTTTTCTAAAGAACAGCTAGGTGAAAGGAGGTTAAGCTGATTGTCACTCTG
CCTGCCCACTACCTACTCCCCACCATGGTGTTTCATGAAACATCCCCACCACCTGAAGTGATCTTTTTAAT
CCTTGTGATAGTAAATGCATTGATAATTAACAGGAAAAACATGTTTTTAAATAATCTACAAATGAGAACCC
AAATGGTAGTGTTTTGTTTGACAGAAGTAAATCAAATATTATGGTTTAAATATAATGCAAAATTTCAGGAC
AGTTAATTTGGGCTTCCCTTACCCTAAGAGGGTTTTTCTTATAATAAGGAGAAGAGGTGTGGTTCAAAGAA
AATTAAGAGACAAAACCTTCAGGTACATAATGCATGAAAATCTTTAAATGCCTGCAAAAATTAAGTTCTGT
TATAATACCAGCCAATTCTGAATTAGCCAATGCCCTAAAAGCATCTAACAATTTAAGGTTATCTTATGAGT
CCTATGAAAACAATTATTTGTTGCTAAATTTGAGTTTTAGCTACCAACGCCATGTTTACGTGACAAGAAAT
TGTTTTGGCCCTGTGGTTTATGACGTGCTGCTGGATAAGCATTTATGTAAAACTGAGTATTTCAAAGAGAA
CCATTTACAATTGGAATTTCCACCTGTGTGGCTGTTTGCAGACCTACCTCTGTCTTCCATTTTGCATCCTG
TCAGTGCTATAATTAGTTTGATCACTTTGTCTTGTTTTTCAGTGTCTACAATTATAGCTTATTCACTATGT
TCTAACTATTTAAAAATAATGGGCCGGGCGCGGTGGCTCATGCCTGTGGTCCCAGCACTTTGGGAGGCCGA
GGTGAGCAGATCACAAGGTCAGGAGATCGAGACCATCCTGGCTAACACAGTGAAACCCCGTCTCTGCTAAA
CATGCAAAAAAATTAGTCGGGCATGGTGGCGGGCGCC

Table3 3364

ACGCGGGGAGAGAAGTTTCCGGGACTGGTGAGTAGTGGGCGATTTAAAAACCCGCGAGTGTAGTT
GTGACCTTCGCGGTAGGTGCCGGTTGGGGCCGGCTGTGATTGTTATCTTGGTGCTGCAGAGGACAGCAGAA
GAGGAGATTGGGTCAGAAAACTGCCCTGCCGCACCAGAGCACAGCGCACTAGTGGGACAGGGGTCCTGACT
CAGACTTAACTGGCTGTGTCTCGTGGTTTTTCACTGTCCTGGAAAAGGCCTGAAGTGGCACTGAAATGAGG
CATAGATGAGGTAACGTCGAGGGAGCGGTTTGCAGGTTGCAAAGGGGCCCTACTGATGCTGCTTAATAGTA
AACAGTGCTTACTCTAGGACGGGAGTTGTTTCCAGCTTTACGTGTAAATCTCGCGATATTGTGGCCTGGGC
ACTATTTCCATTAAGGAGGAAACTGCACAGGATAAGTCATTTACCTGCTGTTGCACAGCTCTGGCTCTAGG
ATTCAGGCTGGCTTCAGAGTCGGTGCTCTTAACCGCCATACTATGTTGCCTTCTGTTGTCGTTGTTGACTG
TGGCCATGTAGCTTCGCAGTTTCCTCATCTGTAACAGTAAATAACTCAAAACCTGCATGATGGCCCACTAG
GGTTTCACTTTCGAGCTTGCCAGATGTAGAAAATGCTGGAGAATGGAGTACCTCGGCCGCCACCGCGTGGA
GCTCCAATTCGCCCTA

Table3 3365

cggacgtggcgcacatggtgagctccgggggcgctccgactgcgtgccccaaatccccggacctg
cccaactccgtctcggcgccgaccgacgccggtgcagaagCGCccaggagCccttccgcgAaGGCTGGGAG
CGGGAGCGCGACGCCCGCGAAGGCTGTTGAGGCTCGAGCGAGCTTCTCCAGACCGACCTTTCTGCAGCTGA
GCCCCGGGGGGCTGCGACGCGCCGATGACCACGCGGGCCGGGCTGTGCAAAGCCCCCCGGACACGGGCCGC
CGCCTGCCCTGGAGCACAGGCTACGCCGAGCCtggCaGGGTCATCAATGCTGGCAAGAGTCGGCACAATGA
GGACCAGGCTTGCTGTGAAGTGGTGTATGTGGAAGGTCGGAGGAGTGTTACAGGAGTACCTAGGGAGCCTA
GCCGAGGCCAGGGACTCTGCTTCTACTACTGGGGCCTATTTGATGGGCATGCAGGGGGCGGAGCTGCTGAA
ATGGCCTCACGGCTCCTGCATCGCCATATCCGAGAGCAGCTAAAGGACCTGGTAGAGATACTTCAGGACCC
TTCGCCACCACCCCTCTGCCTCCCAACCACTCCGGGGACCCCAGATTCCTCGATCCCTCTCACTTGCTTG
GCCCTCAGTCCTGCTGGTCTTCACAGAAGGAAGTGAGCCACGAGAGCCTGGTAGTGGGGGCCATTGAGAAT
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TTCTCTCCTGCTTCCCTGAGGTACgaGTGTATGACCTGACACAATATGAGCACTGCCCAGATGATGTGCTA
GTCCTGGGAACAGATGGCCTGTGGGATGTCACTACTGACTgtgaGGTAGCTGCCACTGTGGACAGGGTGCT
GTCGGCCTATGAGCCTAATGACCACAGCAGGTATACaGCTCTGGCCCAAGCTCTGGTCCTGGGGGCCCGGG
GTACCCCCccgAGACCGTGGCTGGCGTCTCCCCAACAACAAGCTGGGTTCCGGGGATGACATCTCTGTCTT
CGTCactCCCCCTGGGAGGGCCAGGCAGTTACTCCTGAGGGGCTGAACACCATCCCTCCCACTAGCCTCTC
CATACTTACTCCTCTCACAGCCCAAATTCTGAAGTTGTCTCCCTGACCCTTCTTTAGTGGCAACTTAACTG
AAGAAGGGATGTCCGCTATATCCAAAATTACAGCTATTGGCAAATAAACGAGATGGATAAAGGAAAACTCG
TGCAGTTTTAGCGGGTACATGATCTACCCCGGACACGGGAGGCGCTACGCCAGGACCGACGGGAAGGTTTT
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AAATTCCAGAGGGCCATTACTGGTGCATCTCTTGCTGATATAATGGCCAAGAGGAATCAGAAACCTGAATG
TTAGAAAGGCTCAagcGAGAACAAGCTATCAGGGCTGCTAAGGAAGCAAAAAAGggcTAAGCAAGCATCTA

Table 6
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AAAAGACTggcAATGGCTGCTGCTAAGCTACTTCTAGGAGCGTCAAAGGGCCTCACCCAGAGACTACAGAC
CCTCCGGTGGAGAAGTGTACTAGGCCGTGTCTGCAGCTGGAGCCCTCGGCCTGAAATGTTCTGGCTTTAGC
AAAGCGGCGACAGTGTCCAACCCCAGTCCCCGAGGAGGGATGTCAGCCCTGGGCCCCTGTGAGCGCTGCAG
ATTCGTCCCAGGAAAGGGTGACCGGGGTCGCTGCTCCGGGATTACCAGCTAAATACCTGTATTAGCATCCT
CAGCACGCACTGGGAGACGCAGCTCAAGTCCGCTCCCCTTCTTGCACCCTCATATATATTTGGTGCAAAAT
GGAGAACCTTTTCCCCTACGTTTGTGTAAAAATATATGTAAATAAAGCCTTAAAATAGTGTTACCGACCCC
CTTTTCCACtcgCAATAACATTGACTATAAATGCTGATAATTCCAAAAGAATCTCGACTCTTCCTTGAGTA
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Table3 3366
NNNNATGATGAAAACATCTGAGACTCAGGGCTAAGCACCTTGCCCAAGGCCACACAACAAGTAGG
TGATGGAGAGTGTTGGCGTGTACGGATTCTGTGGGTGTAAAGCAAAGAACAAAATGAAGTGTGATTCAAGG
TGGGAAATAGCCGCTTCAGCTCCCCCAGGCTGCAGCAGCTACCACACAAAGAAGCAGTCCTATGGCAATGA
CAGGACATCTGTGTCCAGGATTTGGATTTGACGAACTGGCAGTTCCTGCAGGGATGACGGTACTCCCTAGT
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CCTGTTAGCCAAGGAATGACAGAATTAATCCATGGGCATTTGCGGCCAGTGTTGTGTTAAACTAAAGGGAA
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TCTTTCCTACCCGCTGCCTCTGTTTTCTCTAATATGGAACAGTGAAAATGGGGGCCAGCAAAAGAGATTGC
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TACCTGGCATATATCAGGTGCTCAATAGCAGTGAATTCTCTCCCTGCTGTCATGAATTCTTGAAGGTTGGA
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Table3 3368
CATGATAAGTTTCCAAGGAACCTTAGTGATGGGGACTGTCTCTTTTAAAATTAAATTGTGTAAAT
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TGACCATCTTTACCTAGTTATGGGAT
Table3 3370
CATGATAAGTTTCCAAGGAACCTTAGTGATGGGGACTGTCTCTTTTAAAATTAAATTGTGTAAAT
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TTTCTGCTGGTAAAAGGATGCAAAGCAGGCCTGCCTGCTGCACTTCCCCAGAGCTAATCCTTGAGCCAAAA
GAGCTTCCTGGTGAAGCCTCGCACTCTCCGTAACAGGGTGTGGGGGGACCGAGACATGTGGGCTCCAGACT
TGACCATCTTTACCTAGTTATGGGAT
Table3 3371
NATGCCTTCCTCTTTGATGCACAGGAAGGCCCCTTGGCTATGGAAATAGCCAAAGATGAGATCCA
GAGCCAGTGGCAGCACCTGAAGGAGACCCTTTTCATCAACAACTGCCTGTGAGAAAAGCTAGAACGTCATC
ACAGCAGCTTTGATGAAGAAAATGGTAGGAGAGGCCCAAGTCAGCCTGCTTCTGGCAATATGTATTTTTCT
AAAGGATGCACCTCTAACCTCTACAGGCAAATCATAGATTCCATTGTCCAGCTGTATAATGAAAACAGAGT
TCTCAGAGAAGAATACCGGAGACTCCCCCGACTTGCCTGAATCAAATTTCCAGAGGCTCTGANNNN
Table3 3374
acGCGTCCGCGGACGCGTCCGGCGGGGCCTGGGCTGTCAGCCGGCCTAGGAGGAGGAAGGAGCCT
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GGTGGGCCAGGGCGCGGGGCCGCTGGGGCCCGCGGTGGTCACCGCCGCGGTGGTGCTGCTGCTGAGCGGCG
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GACATCAACTTTGTCTTCACTGGGTTCTCTGTGAATGGCAAGGTCCTCAGCAAAGGGCAGCCCCTGGGTCC
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GCGGAAAGTTTGCATTTTTTAAAGTTCTGCCTGGAGATTATGAAATCCTCGCAACTCATCCAACCTGGGCG
TTGAAAGAGGCAAGCACCACAGTGCGTGTAACCAACTCCAATGCCAATGCGGCCAGTCCCCTCATAGTTGC
TGGCTACAATGTGTCTGGCTCTGTCCGAAGTGATGGGGAGCCCATGAAAGGCGTGAAGTTTCTTCTCTTTT
CTTCTTTAGTAACTAAAGAGGATGTCCTGGGCTGCAATGTCTCACCAGTGCCTGGGTTCCAGCCCCAAGAC
GAGAGTCTGGTGTATTTGTGCTACACGGTCTCCAGAGAAGATGGCTCGTTCTCTTTCTATTCCTTGCCAAG
TGGGGGCTACACTGTGATTCCGTTCTATCGAGGGGAGAGGATTACCTTTGATGTGGCGCCTTCCAGACTTG
ACTTCACAGTGGAGCATGACAGCTTGAAAATCGAGCCCGTGTTCCACGTCATGGGATTCTCCGTCACCGGG
AGGGTCTTGAACGGACCCGAAGGAGATGGTGTTCCAGAAGCAGTAGTCACCCTGAATAACCAAATCAAAGT
TAAAACAAAAGCTGATGGCTCATTCCGCCTTGAGAACATAACCACAGGGACATACACCATCCATGCTCAGA
AAGAGCACCTCTACTTTGAAACGGTCACCATCAAAATTGCACCGAACACACCTCAGCTGGCTGACATTATT
GCAACAGGGTTCAGTGTCTGTGGTCAGATATCAATCATTCGCTTCCCCGACACCGTCAAGCAGATGAATAA
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CATTTTGTTTTAAAGCAAAACCAGGGACTTACAAAGTGCAGGTGATGGTTCCTGAGGCAGAAACCAGAGCA
GGGCTGACGTTGAAACCCCAGACATTTCCTCTTACTGTGACCAACAGGCCCATGATGGATGTGGCCTTTGT
ACAGTTCTTGGCATCAGTTTCTGGGAAAGTCTCTTGTTTGGACACCTGTGGTGACTTGCTGGTGACTCTAC

Table 6
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AGTCCCTGAGCCGCCAGGGTGAGAAGCGGAGCCTCCAGCTCTCCGGCAAGGTCAACGCCATGACTTTCACC
TTTGACAACGTGCTCCCTGGAAAATACAAAATAAGCATCATGCATGAGGATTGGTGCTGGAAGAACAAGAG
CCTGGAGGTGGAAGTGCTGGAGGATGACATGTCTGCAGTTGAGTTCAGGCAGACGGGCTACATGCTGAGAT
GTTCCCTGTCTCACGCCATCACTCTGGAATTTTATCAGGATGGAAATGGGCGTGAGAATGTGGGGATTTAT
AACCTCTCCAAAGGAGTCAACCGATTCTGCCTGTCCAAGCCTGGTGTGTACAAAGTGACCCCTCGCTCCTG
CCACCGGTTTGAGCAAGCGTTCTACACCTATGACACGTCTTCACCTAGTATCTTGACATTGACAGCCATTC
GCCACCATGTCCTTGGAACTATCACCACCGACAAAATGATGGATGTCACTGTGACTATCAAGTCTTCCATC
GACAGTGAACCCGCCTTGGTCTTAGGCCCTCTGAAGTCTGTGCAGGAGCTGCGGAGGGAGCAGCAGCTGGC
TGAGATCGAGGCCCGCAGGCAGGAGAGGGAGAAAAACGGCAATGAGGAAGGCGAAGAAAGAATGACCAAGC
CTCCCGTGCAGGAGATGGTAGATGAGTTACAAGGCCCCTTCTCGTATGATTTCTCTTACTGGGCGCGGTCT
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TTTACTGATGACAAAGGTGCCTACAGTGTTGGCCCCCTGCACAGTGACCTGGAGTACACGGTGACCTCACA
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TTTCGTTCCAACCTCTTGACCCAGGACAACGGCATTCTGACATTCTCAAACCTGAGCCCTGGCCAGTATTA
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ACCTGAAGATCACCATCACGGGGTACCGAACCGCTTACAGTTGCTATGGCACAGTGTCTTCCTTAAACGGA
GAGCCCGAACAAGGGGTTGCCATGGAAGCGGTGGGCCAGAACGACTGCAGCATTTACGGAGAAGACACCGT
GACAGACGAAGAGGGCAAGTTCAGATTACGTGGATTGCTGCCGGGATGTGTGTACCACGTTCAGCTCAAGG
CAGAAGGCAACGACCACATTGAGCGGGCGCTCCCCCACCATAGGGTGATTGAGGTTGGGAATAATGACATC
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TGAATACCTTCCTACATTATGGGTCAAGCTTTACAAAAGCGAAAACCTCGACAATCCAATCCAGACAGTTT
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GACTCCACACTCCCCAGATCCCAGTATGACTACATCTTGCCTCAAGTTTCTTTCACCGCAGTGGGCTACCA
TAAACACATCACCTTGATTTTTAATCCCACGAGGAAGCTGCCTGAACAGGACATCGCACAAGGATCCTACA
TTGCCCTGCCATTGACGCTGCTGGTTCTGCTGGCCGGTTACAACCATGACAAGCTCATTCCTTTGCTGCTG
CAGTTGACAAGCCGGCTACAGGGAGTCCGCGCGCTCGGCCAGGCAGCCTCTGACAATAGCGGCCCAGAAGA
TGCAAAGAGACAAGCCAAGAAACAGAAGACAAGGCGGACTTGAGGAGGAAGGGGACAGTTGCAGTCTCACT
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CCCTCCGTAGAGCCCCTCGTGCAATGCAATGAATGGACCCTCCTGTCACTCTGCTGAACAGAATTTATTTT
CTGAGTCAAATATAATTTATTATTATTTTTGTCAAAGAAGTATTTAAGCTGTGCTGTGGTGTGAGAATGTC
ATTCTTGATCTTCAGCCTTCGTTTGCAAGAAGAGTTCCAGTTGACGTGGTGTTTGGTTCCATGGCGGGGTA
CCCTAGGGATTCATCTGTTTTCTTCACTTCCCTTTGCATCTGAGATCCTGCTGGAAACCACAGCAACCTGT
ATCCACTATTAGGAGGTAAAAATCAATAAAATGGCCCATTCATTTGTGTTGTAGCTCAAAAAAAAAAAAAA
AAAAAAG
Table3 3375
NNNNNNAAAACAGGCATCGGCCGGGTCCGCGGAAACCGTGCCCCGCGGATTGGAAGGCCAGCAAT
TCAAAGGGAACGCACAACGGCTCCGGCAAAGACGGTCGGAGAAGCCCTGCCCTACCGAAGCACCAAACACG
GAGCCGGGAGAAGGAGTTTCTGTTCAATATGTACCTTACTCGAGAGCGGCGCCTAGAGATTAGCCGCAGCG
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GAAAACCGGATCCGGGAGCTCACAGCCAACTTTAATTTTTCCTGATGAATCTCCAGGCGACGCGGTTTTTT
CACTTCCCGAGCGCTGGTCCCCTCCCTCTGTCTTCAGGCTCTGCCCAGGAACTCGCACCTGTGCTGGAGCC
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ATTCTATAGAGATAGATATTGTCCTAAGTGTCAAGTCCTGACTGGGCTGGGTTTGCTGTCTTGGGGTCCCA
CTGCTCGAAATGGCCCCTGTCTTCGGCCGAGCTGGTTTCCTGCCCAGCCTGGGGCAAACCTAGCCGGAAGG
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TAAATACAAATCTGTATAAATGTCTATTATTATGAAGAATTGCCAATCTTGTTTTAAGCAAATGCATTCTA
TCGTTATTATAAATGTTAGTTCTAGCTCTATTTACTTCTAATCTTAAATCAGAATAAATTAATATTGTATT
GCTGCTGTGCGTGGAAAAAGACGATGTTTATGTTCTTATAGAATAAAAGCTGTGGAATGAAGCNNNNNNNN
NNNNN

Table 6
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Table3 3376
NNNNNCTCGGCTTCCATGGGCCTAATTTACAGATAGGGCGGTATTTCTGCCCCTTAACCGAAAGT
GGGATACAGAGGACGACGGTGTTAGGCGCCTGTGTAGGAGTAAAATGTGTTTATTTGCATTCAACGAGAGC
TCCTGCATGCAGCTATTTGCATATGATTGCATCTTACGAAGAATTGTGGCAAAAAAAAGCTGGGCGTGCGC
CGTAGGAACCTCCTGCTGAGACGCTTCCGGTAGCGGCGCGTGACCCGACAGGTCTTTCACCTACCTACCTC
AGCTCCCACAAACACGAGAAGTTCCAGCAAGTTCGCCACTTCCGGTTCTCCTGGCTATCCAATAGCATCGA
GTGGAGCATCCCCGGAAGTGAGGCAGCGGAGGACGACCTTTTTCCGGTTCCGGCCTGGCGAGAGTTTGTGC
GGCGACATGAAACTGCTTACCCACAATCTGCTGAGCTCGCATGTGCGGGGGGTGGGGTCCCGTGGCTTCCC
CCTGCGCCTCCAGGCCACCGAGGTCCGTATCTGCCCTGTGGAATTCAACCCCAACTTCGTGGCGCGTATGA
TACCTAAAGTGGAGTGGTCGGCGTTCCTGGAGGCGGCCGATAACTTGCGTCTGATCCAGGTGCCGAAAGGG
CCGGTTGAGGGATATGAGGAGAATGAGGAGTTTCTGAGGACCATGCACCACCTGCTGCTGGAGGTGGAAGT
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TGCTGAGTGAAGAGGAAACTGAGAGTTGATTGTGCCAGGCGCCAGTTTTTCTTGTTATGACTGTGTATTTT
TGTTGATCTATACCCTGTTTCCGAATTCTGCCGTGTGTATCCCCAACCCTTGACCCAATGACACCAAACAC
AGTGTTTTTGAGCTCGGTATTATATATTTTTTTCTCATTAAAGGTTTAAAACGTAAAACACTAAAAAACAC
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GGAATCGGGTCCCGGACACATTTGTTTGGTTCAAAGACGGGTAAAAACCGCGGGACCCCAAATGGGGGCGA
AATAACTTACGAACCGCGGTACCGTTAGAACTCCAGCAACGAACCAGACAGCGGAGACCGAACGGCACAGC
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CACACCACCGAACACAGCATCACAGAGAGGGTCGGCGACGTGCGCGACAGCTGCATACGACAAGGGCGGCC
TGTGCACCACGAGACCAGCCTACAACAGACAGACGACAGCGACGACAGAGCCAATGGCGAACGCANNNNNN
N
Table3 3377
NNNNNNAAAACAGGCATCGGCCGGGTCCGCGGAAACCGTGCCCCGCGGATTGGAAGGCCAGCAAT
TCAAAGGGAACGCACAACGGCTCCGGCAAAGACGGTCGGAGAAGCCCTGCCCTACCGAAGCACCAAACACG
GAGCCGGGAGAAGGAGTTTCTGTTCAATATGTACCTTACTCGAGAGCGGCGCCTAGAGATTAGCCGCAGCG
TCCACCTCACGGACAGACAAGTGAAAATCTGGTTTCAGAACCGCAGGATGAAACTGAAGAAAATGAATCGA
GAAAACCGGATCCGGGAGCTCACAGCCAACTTTAATTTTTCCTGATGAATCTCCAGGCGACGCGGTTTTTT
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TTGTTTCTTTGTGTTTGCTTGGTGCTGGTTTATTTGTTGTTTTCTGGGGGAAAAAGCCATATCATGCTAAA
ATTCTATAGAGATAGATATTGTCCTAAGTGTCAAGTCCTGACTGGGCTGGGTTTGCTGTCTTGGGGTCCCA
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TTCTTCCTTGGCCAAGAGAAGGGCTTACAGGCATGGACATGCAGGTTGGCAAACGGGCTTGACTTTGGCTG
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NNNNN
Table3 3379
NCGAATGGAGCTCCCCGCGGTGGCGGCCGAGGTACCCTGGACTCATACCTGAAAGCAGTGTTCAA
CCTTAGCAAAATCTCCAACCAGCGCATGAACAATTTTCTACATCACAACGACCTGGTTTTCAAATTCAGCT
CTCAAGGCCAAATCTTTTCTAAATTTAACCAAGAACTTCATCAGTTCACAGAGAAAGTAATCCAGGACCGG
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TTTGAGTGCCAAAAGCGAAAACACCAAAGATTTCTCTGAAGCAGATCTCCAGGCTGAAGTGAAAACGTTCA
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GGGCGGCCGCCCGGGCACGTACGCGGGGGGCTTTTGATTCTAATGATAATTGCACCTTTATCTTTCAAAAG
CTGATATTTCCTACCTAAGCATCTCCCGAGAAAAATATCTCATTAAAAAGCCCATAAATAATAGGGGAGAA
GAAAGCCTTACGTATCAATTCCAAAACATGANNNNN
Table3 3386
attcgcactcatcgtagtcatagcctttgCAGGTGTAATAGTAATAATCGCGGTCCTGCTCCTCT
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TTCAGTAGCAGAAGCACTTTCACTGACATAATAGTCTTCCTCTTCATCTTCCTCTTCCTCTTCCTCTTCAT
CTTCCTCTTCCTCTTCTTTTGACACAGATCCAATAATCTTTGTCTGAGGGCAGCACACATATTCAGTGCCA
TGGAACTGGTCTACCCCACATGGGAGCAGCATGCCGTAGCTATATAAGGTCATTCCCTGAGTCAGACATGC
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Table 6
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ActttacgGAacttagcaGTACATCACTTAcaAATTCACCctcgaGACACTTGAAAGGTGTAACAAAGCG
ACTCTTGCATTGCTTTTTGTCCCTCCGGCACCAGTTGTCAATACTAACCCGCTGGTTTGCCTCCATCACAT
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CAGGTAGTTCTCCAGAGCCATCCGACGGCGGTCATTCAGCATAGCTTCCACTCGGGCCAGGTGGGTCTCCA
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GTCTGCCTCTCTGCTTTGGGGAGGTTCTTAGCTTGAAGCTCTGCCTCTTCCCATTCCTTCTTTACCCTGTC
CATTCGGTTGCGGTGCCGAATCTCCAGCTGCTCCTTAGCCTTCTGGAAGCGAGCATGTTCATTATCATCTG
CAGAGGTCTCGAAATACACATCAACATCATTGGTTGGCAGAGGAGTTGGAGGAACTTTGACATCATGAGTA
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GAAGGTGTCATAGTAGTAATCTCGGTCCTCCACCACTTCCTCCCCTTCTTCCTCATCCTCATCATCCTCAT
CCACAGCTGCTTCTGTGAAGTCTTCCAGATCTGCTTCAGTAGGAAATTCACTTTTATAAACATCATAGTCT
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AGCTATATAAGGTCATTCCCTGAGTCAGACATGCCTCTTTGACTACCGTGTGCCAGTGCTGGTGATTCTCA
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ACCCACGAGACACTTGAAAGGTGTAACAAAGCGACTCTTGCATTGCTTTTTGTCCCTCCGGCACCAGTTGT
CAATACTAACCCGCTGGTTTGCCTCCATCACATTTGTGATCTGTAGCTCTGGATACATCTCCTGACAGTAC
TGAAGAACTTCTTCTTTTGTttCAAAGCaGCTCTTGCAGCCAATGCCGGAACAGGATTTGCTGTTGCTGAG
CCTCAAATCGCAATGTTTTGTGGGAAGTTAAATATGCATGTGAACATTCAGACTGGGAAATGGGAACCTGA
TCCAACAGGCACCAAGAGCTGCTTTGAAACAAAAGAAGAAGTTCTTCAGTACTGTCAGGAGATGTATCCAG
AGCTACAGATCACAAATGTGATGGAGGCAAACCAGCGGGTTAGTATTGACAACTGGTGCCGGAGGGACAAA
AAGCAATGCAAGAGTCGCTTTGTTACACCTTTCAAGTGTCTCGTGGGTGAATTTGTAAGTGATGTCCTGCT
AGTTCCAGAAAAGTGCCAGTTTTTCCACAAAGAGCGGATGGAGGTGTGTGAGAATCACCAGCACTGGCACA
CGGTAGTCAAAGAGGCATGTCTGACTCAGGGAATGACCTTATATAGCTACGGCATGCTGCTCCCATGTGGG
GTAGACCAGTTCCATGGCACTGAATATGTGTGCTGCCCTCAGACAAAGATTATTGGATCTGTGTCAAAAGA
AGAGGAAGAGGAAGATGAAGAGGAAGAGGAAGAGGAAGATGAAGAGGAAGACTATGATGTTTATAAAAGTG
AATTTCCTACTGAAGCAGATCTGGAAGACTTCACAGAAGCAGCTGTGGATGAGGATGATGAGGATGAGGAA
GAAGGGGAGGAAGTGGTGGAGGACCGAGATTACTACTATGACACCTTCAAAGGAGATGACTACAATGAGGA
GAATCCTACTGAACCCGGCAGCGACGGCACCATGTCAGACAAGGAAATTACTCATGATGTCAAAGCTGTCT
GCTCCCAGGAGGCGATGACGGGGCCCTGCCGGGCCGTGATGCCTCGTTGGTACTTCGACCTCTCCAAGGGA
AAGTGCGTGCGCTTTATATATGGTGGCTGCGGCGGCAACAGGAACAATTTTGAGTCTGAGGATTATTGTAT
GGCTGTGTGTAAAGCGATGATTCCTCCAACTCCTCTGCCAACCAATGATGTTGATGTGTATTTCGAGACCT
CTGCAGATGATAATGAGCATGCTCGCTTCCAGAAGGCTAAGGAGCAGCTGGAGATTCGGCACCGCAACCGA
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GACTCTGATTCAGCACTTCCAAGCCATGGTTAAAGCTTTAGAGAAGGAAGCAGCCAGTGAGAAGCAGCAGC
TGGTGGAGACCCACCTGGCCCGAGTGGAAGCTATGCTGAATGACCGCCGTCGGATGGCTCTGGAGAACTAC
CTGGCTGCCTTGCAGTCTGACCCGCCACGGCCTCATCGCATTCTCCAGGCCTTACGGCGTTATGTCCGTGC
TGAGAACAAAGATCGCTTACATACCATCCGTCATTACCAGCATGTGTTGGCTGTTGACCCAGAAAAGGCGG
CCCAGATGAAATCCCAGGTGATGACACATCTCCACGTGATTGAAGAAAGGAGGAACCAAAGCCTCTCTCTG
CTCTACAAAGTACCTTATGTAGCCCAAGAAATTCAAGAGGAAATTGATGAGCTCCTTCAGGAGCAGCGTGC
AGATATGGACCAGTTCACTGCCTCAATCTCAGAGACCCCTGTGGACGTCCGGGTGAGCTCTGAGGAGAGTG
AGGAGATCCCACCGTTCCACCCCTTCCACCCCTTCCCAGCCCTACCTGAGAACGAAGACACTCAGCCGGAG
TTGTACCACCCAATGAAAAAAGGATCTGGAGTGGGAGAGCAGGATGGGGGACTGATCGGTGCCGAAGAGAA
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TTTTCAATGCCGAGAGAGTTGGAGGCCTCGAGGAAGAGCGGGAATCCGTGGGCCCACTGCGGGAGGACTTC
AGTCTGAGTAGCAGTGCTCTCATTGGCCTGCTGGTCATCGCAGTGGCCATTGCCACGGTCATCGTCATCAG
CCTGGTGATGCTGAGGAAGAGGCAGTATGGCACCATCAGCCACGGGATCGTGGAGGTTGATCCAATGCTCA
CCCCAGAAGAGCGTCACCTGAACAAGATGCAGAACCATGGCTATGAGAACCCCACCTACAAATACCTGGAG
CAGATGCAGATTTAGGTGGCAGGGAGCGCGGCAGCCCTGGTGGAGGGATGCAGGTGGGCCGGAAGATCCCA
CGATTCCGATCGACTGCCAAGCAGCAGCCGCTGCCAGGGGCTGCGTCTGACATCCTGACCTCCTGGACTGT
AGGACTATATAAAGTACTACTGTAGAACTGCAATTTCCATTCTTTTAAATGGGTGAAAAATGGTAATATAA
CAATATATGATATATAAACCTTAAATGAAAAAAAATGATCTATTGCAGATATTTGATGTAGTTTTCTTTTT
TAAATTAATCAGAAACCCCACTTCCATTGTATTGTCTGACACATGCTCTCAATATATAATAAATGGGAAAT
GTCGATTTTCAATAATAGACTTATATGCAGGCTGTCGTTCCGGTTATGTTGTGTAAGTCAACTCTTCAGCC
TCATTCACTGTCCTGGCTTTTATTTAAAGAAAAAAAAAAGGCAGTATTCCCTTTTTAAATGAGCTTTCAGG
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TGATGTGAAAGGACCAGTTTCTTGAAGTCCAGTGTTTCCACGGCTGGATACCTGTGTGTCTCCATAAAAGT
CCTGTCACCAAGGACGTTAAAGGCATTTTATTCCAGCGTCTTCTAGAGAGCTTAGTGTATACAGATGAGGG
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TTCACTGTCTGTTGTTTACCTACCGTAGCTTTTTACCGTTCACTTCCCCTTCCAACTATGTCCAGATGTGC
AGGCTCCTCCTCTCTGGACTTTCTCCAAAGGCACTGACCCTCGGCCTCTACTTTGTCCCCTCACCTCCACC

Table 6
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CCCTCCTGTCACCGGCCTTGTGACATTCACTCAGAGAAGACCACACCAAGGAGGCGGCCGCTGGCCCAGGA
GAGAACACGGGGAGGTTTGTTTGTGTGAAAGGAAAGTAGTCCAGGCTGTCCCTGAAACTGAGTCTGTGGAC
ACTGTGGAAAGCTTTGAACAATTGTGTTTTCGTCACAGGAGTCTTTGTAATGCTTGTACAGTTGATGTCGA
TGCTCACTGCTTCTGCTTTTTCTTTCTTTTTATTTTAAAAAATCTGAAGGTTCTGGTAACCTGTGGTGTAT
TTTTATTTTCCTGTGACTGTTTTTGTTTTGTTTTTTTCCTTTTTCCTCCCCTTTAGCCCTATTCATGTCTC
TACCCACTATGCACAGATTAAACTTCACCTACAAACTCCTTAATATGATCTGTGGAGAATGTACACAGTTT
aaacacatcaataaatactttaac
Table3 3387
ACCGCGGGAGCTCGGGCTCCTGAGGGCGACGGTCCTCTGATGGCAGATGCGGGAGAAACCTCTGG
CGTCAGGCGAGCCCTCGCGTGGAGCACACGAAAGTCGTGGCTTATTCTGGCTTCAGTATGTGGGGTGGAGA
AGGCGATCCACGCAGCTGCGTCTATTTCCTGTGGATCAATCGCAAAATACGTTCTGTAAGCCCCGCCCCCA
CTGCGTGCGGGCGGCTTTTGTCTCCACGGCAACCGTCAACTCTGGATACGCCTGTCTTTCTCCATGGCAAC
TGTCTACGCCGCAGGCTGGAGCTGCCCATTACCGGAGCCCATATGGCAATGACCCTTGGCCAGTCTCTGGG
AACTAAACTCCTGGGATGTTTACACAGGTGCTGGGTAAGATGTTCTTCCATATGCTCAAGACCACGGGTCA
AGATGT
Table3 3388
ACAAAAAATTCTACATGCTGTGGCCATAGCTGGCGAGCCACTAGGACCTTGCACTTTTCCTATTA
CCTTAAGGCCTGATCCAAATAATCCACAGCAGTTTATTCATGAACACACTCCAGTAAAATTTAAATTATTG
AAAGAATTAAAAGCTAGTGTGGTTAATAATGGAATACAGAGCCCATTTACTTTAGGATTGTTAGAATCTGT
ATTCAGCACTATGCGCCTCCCACCCTTGGATATAAAGCATTTAGCTTGCACTTGTTTCTCTGCTAGTGCAT
ATTTGACATGGAATTTAAATTGGCAAGAAATGTGTGCAGACCAGGCTAGACAGAATCTCACCGCTGGACAT
GGGAACATTACAGAGGAAATGCTATTGGGTAGTGACTCTTATTCAGATCTGGTGCAACAATTGACACTTCC
AGATGCTGCTTACCATCAGTGCGCCTGGCCGCTAAGCGTGCCTGGGCCACCATTCCTGAGAAAGGGGTCTC
AATAAAATCTTTCCCGCATATCAGGCCAAACTCACAGGAGCCCTTGCCACAATTTATTCCACAGTTCCAAC
AGTCAGTGGGGCATCAGTTTCCTCATACTGCTCCTGCGAAAATGCTTTACTTTGACCCTAGCTTTTGAAAA
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CCTGTCAGGATGTGGGAACTGAACTCCATCGTTCAACTGTGTTAGCTCAAGTAATAGCTAATTTAGTAGTG
AACAAATCTGAAAAGGGCCAAGGGTTGAGCCCTAAAGTGGGAAAATGTTATAATTGTGGAAAAATTGGACA
TTTCAAAAAAGAATACCATCAGACCTCTGGGCAGAAGGGATCTTACAATGCAATACCGCCCCCCCCTCCGC
GCCCCGCTCCCCCCAACACACACACANNNNNNNNNN
Table3 3389
ACAATTTACGTCCTAAGGGGGGGCTACTCTAATTATCCCATTCAAATGGAATTTTTTTCAAAATT
GGATAGAAGGAATTGAAGAGTTGTAAGTAGTGATTAGTCTGCTAATCAGTTCTTCAGATGAGATATTGAAT
GGTAACACTCTGAGCTTAAAACTCAGCAGTGTGTCTGTGACCTCCACGCAAATCAGAGGAAGCAATGCATC
CACGCTGAGCCTCACCATGTCTTCCTCCCAACTCTCTTCATACTCTCTGTGTCTTCCAGCTCTTCTTTCTC
TGGCCGGCTCTCTTTCCTCTTCTCTCTGCATATGTGAGAACGCCTGGGCATCCTGGGTAACAGCAGCCCCA
GCTGCCCTCTCCTGTTCCCTGTTCCAAGTCCCCTGCACTGACCTTTCTTGAGTCTCTCTGGCTCTGTGCAT
GTCTTTGGGACTCTCCTCATCTGGCTTTTCCTCTGTGTGTGCCTCTCTGTTTGCTTATGTCTCTGGCTCTG
TCTTCCCCACCCCTCCCCTCACACACACACATACTCCCAAATGTAAGGCTCTGTGGCAGGTTGGAATCGGA
GTAAGGCTTGAGATTCACTGAGTTCTGTAGGTAGGGAAAGAAGTCAAGGGAGTGGAGGTTCTATAAGGAAT
TAACAGCTGAGGACGGAAGGGTTTGTTTCCCGTTTGAACCTAAACGCAAGTGGAAAAGAATACTCAGAATG
TATTTTTCTACTTTACATCTGCTGGGGAAGGAAATGTGTCAGGAAGCCGCTGCATCTGGTCATTTCATCGC
ATCAGAATCACAGCAGACGTGGAAGATTCCATGTGGTGGGGAATAAAGAAATAACTTTATGCTCTCCTGAA
AAACAGCGGGAGCCTATGTGTGTGTGCGACACTGTAATCTCAAGGAGATTCACTCAGAGCTGTCTCAGTCC
AACTCCTGCATGACCAGATCTTCCCTTAGCATCTTTTCTGTGATGAAATATTATCTTGTGTTAGAGTTAGG
AATAGGAACTAACCTGTAGGAGCATGTCCCCAAATGGACATTTGAATGGACTAACAAAAACAACTGGAAAG
ACTGAATTTCCGACACAAAGGAATGATGGGATCAAAAAGAAAGCAGTGAGGAGTTCTTGAGTCTTGTAGTA
CCTATTCTTATTTTAACTTGCTTCATCCTTGATCTACCTGAGACACTAAGAAGGAAATTAGTTTTCCAAGA
GCTCTTTGAACCTGTCTAGGACTGTAGTTAAACCTATTTGCCCTATGGGGGTTCTTCACACTCGAAAAACT
ATTTCCTTATCACCAACGACCCACCCAGAAAGGCCAATGAGGCCAAATGTAACAATTTTTAACATTTAAAT
ATAACTATTAAAATTGCATTAATTGTGAACAGTGAATTAAAGGGTTGTCTTCTCCAGGAGACAGTATGTGG
CACTTTTCGTAAATTTCATTTAATATATAAAAATTTAAATCACTCACTGCAACATGCATTTAAAATCTTCC
AAGAAGGTAGAGGTATCATTTTCTGTTTTGCTTTGTTTTAAAACAGTTGCCTCAAGCTTCTGTCTTAAGAG
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AGATTATTATTGTTTTTCTTTTATCTTTCCCTTCAGGAATTTGGAAACTCGTTGTCACTTTTTTTAATTTT
AAAAATACTAAATTGTAATAGTTTTCTTTTGCCAAATGTGTGCGTACATATTCAAAGCAATGAAACTATTT
CAAGCCATACAACCACAGGGGTGGGAACCCTTTTCACAAATTTTAATGTGTTTGTATGTAAATAGATGTTT
GTATGAAATATTTTCATGATAGAATGAATATATTTAAATGAAGTTGAATTATTCCAGTGCTACTTAAACAC
ATTACAAAAATTTTGGTGAGAATTATCTGAGTCTATTGAGATGTAATGCAGATCAATTTTGATTTTTAAAA
ATCAAAAGCCTACAATAACTCTGACTCTCAGCAACTTCCTCGGCGTTGTTGCACCTGACGTGGAGAGAGCT
CGTAGGCTTCCCCAGTGCCTCAGCCGCTTCCTGGTGGAAGTTAGGTGCTAATGGAGGTGTGTTCACCTTTT
AGTGATATCACTGCAGGCCTTTGAGGGGCCTGAGAGTGAATCAGAGGCATTAGAGACACCGGTGCAGTTAT
CTGGAGCACAATTTCTTTGCAGGGCAGCAGAATCAGAAGCCAGACTTGGCCATGTGAACCTCGAAACTCGG

Table 6
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TTTCCCGGCCGCCATCAACCGCCACCCTTACTGCCTAGTCACACACGTCAGGGAGGCTGCCCTCAGTGGAG
TTGGGGTTGAGACCCCAGGGTGGGACTTCACAGTTTTGCCAGCAATCTCTACCTTCTGACTTCTGCCTCGC
AGAGAGGAAGGAGAGGGGAGCATCTGGCAAGGGGCCCATTTCTCAGCACAGTACATTTCCTGTCTCAGCTC
TGGAAGACTATGCACCCAAGCACCAAACTTCCAACCAGAGAGAGAGACGTCCTCCGATAACAAAAATCCTT
GCTTCCTCTGTCTGTGACTTTACACACAGTTGTTCAAAGTTGTTAAATGTCAAGAGTCAATCACATCCCTA
GGACATACCTCCCAACTCTCCTGACTCTTATGTTATTGAAAAAACAAACAAACAAAAACTCCTTTATGATG
ATATTCAACTTGAGTGGGGTTTTTTTTCCACTTTGGTCCTGGATATAATGAAATGATACATATTAGGATAA
ATTTTCACTGTGTATAGTAGCAATACGAACACACATGCCAATGTATCAACATATCTACTTGGTTACATTTT
GGTTTATGATAATTAACCTTGATTCATGTATTGGGAAGCTACAGGGACTACGTAATACCTGCTTATCACAT
AGGAAAATTATGTCCATGATTCTGAGCTCCCTTCTTCAAAAGTTTCCTCCTGGGTGTTCTATGTTCTCTCT
TTATCCTGAAATACATTTATTAGGTTGTGAGGTATGTTGAAGAAGTAGAAGCCAGGGGTATGCTTTCAGCA
TTTATTGCAACCAAAAGTTAACCCCATCACGGTTAACGAGCATCTTTGGTCTCTTGTGGAATTTGAACTAA
AACTATGAGCCTTATTCAATATCTATAATTCTATGATTTTTTTAAATTATGGGAAATTAATGAAAGATGTT
TACATGAATAATGTTTGCCCTTACTGTGTTATGAATGAGTTTTTTGTAGTGTGTCTGGGTGCATGATGCAA
GAGAGTAGGAAAAATGTTTCTGAAACAAAACTTGACAAATATTTGTAATGAAAGTAAATTTAAAGATTGCT
ATAATTGCGCTATAGAAACAATGCAAGTATTAAACAAAATATACAATCAAAAAAAAAAAAAAAAAAG
Table3 3391
NNCTGAGGGTCTTGTGGGGCCACGGTCGCTGATCACCAGGTGTTGGCTTGGTCGGTTCTTATTTC
TCGCCTGGCAATGGCGACGTACACCTGCATAACTTGCCGGGTGGCGTTCCGCGACGCGGACATGCAGCGGG
CCCACTATAAGACGGACTGGCACCGCTACAACCTGCGGCGGAAGGTGGCCAGCATGGCCCCAGTGACCGCC
GAGGGCTTCCAGGAGCGAGTGCGGGCGCAGCGGGCCGTCGCGGAGGAGGAGAGCAAGGGCTCGGCCACCTA
CTGCACCGTTTGCCGGTAAGAAGTTTGGCTCTTTCAACGCCTATACAAAACACCACACTCCTACAGATGCC
CGCCGGTGTCGCTGTAGACCGTCTGGAGAAAAGGCCGCGCAGGCAGTGAATCGGAAAGTGGAGATGATGAG
ATGAAAAGAACTTGGAGAAAGGACTGGGCGTGGACAGTGTGGACAAGGATGCCATGAACGCGGCATCCAGC
AGGCCATCAAGGCCCAGCCGTCCATGTCTCCCAAGAAGGCGCCCCCAGCGCCTGCAAAGGAGGCCAGGAAT
GTCGTGGCCGTGGGTACTGGTGGCCGTGGGACCCACGACCGAGACCCGAGTGAGAAAACCACCCCGGCTCC
AGTGGTTTTGAACAGCAGGCGAAGAAAGTTGGCAAAGCAGCAGGAGGAGGACAGCGAGGAGGAGGAAGAGG
ACCTGGATGGAGACGATTGGGAAGATATTGATTCTGATGAAGAATTGGAATGTGAGGATACTGAAGCAATG
GACGATGTGGTGGAGCAGGATGCAGAGGAGGAAGAGGCTGAGGAAGGCCCACCCCTTGGTGCCATCCCTAT
CACGGACTGCTTATTTTGTTCCCATCATTCCAGCTCGCTGATGAAGAATGTGGCTCACATGACCAAAGACC
ACAGTTTCTTTATTCCTGATATAGAATATCTTTCAGATATTAAGGGACTGATTAAATACTTGGGAGAGAAA
GTTGGTGTTGGCAAGATTTGCTTGTGGTGCAACGAGAAAGGGAAGTCCTTCTACTCCACAGAAGCTGTACC
TCGGCCGCGACCACGCTAAGCCGAATTCCAGCACATGGCGGCCGTTATAGTGGTCCGAGTCGGACCAAGCN
N
Table3 3394
ACGCGGCCCTCCTGGCCCCGGTGTGTGGGTCTGTGACAGGGTCCAACAGGGCCTGGTCCGTGTCC
GGTCCCCCAAATCTGTCGTCCCTGCCCCCAGGCATTGGCATCAACAAAAGTCAGAATTCCCGGGAACTTGA
ACAGAGGCTGCTAAATTCCCAGTAATTGCTCCTTTGGCCTTCTAGGGACTGACTTCAAAGAAGGAAGGAAA
GAATCAGGCAGTGCTTCCTCATTCTCTTTTAAAACCCGCTTCCCGCTGAGTCTGCACCCAGGAGACCAGAG
AGCACCTTGCCCTTCCATGGAAACTCAGGCTGATCTCGTATCTCAGGAACCTCAGGCCCTGCTTGACAGTG
CTCTTCCTTCAAAAGTTCCTGCCTTTTCCGACAAGGACAGCCTGGGGGATGAGATGTTGGCGGCTGCGCTC
CTAAAGGCCAAGTCCCAGGAGCTGGTAACCTTTGAGGATGTAGCTGTGTACTTCATCCGGAAGGAGTGGAA
GCGTTTGGAACCTGCTCAGAGGGACCTCTATAGAGATGTGATGCTGGAGAATTACGGGAATGTGTTCTCAC
TGGATCGTGAGACCAGGACTGAAAATGATCAAGAAATTTCTGAAGACACAAGATCACATGGGGTCCTACTG
GGAAGATTTCAAAAGGATATTTCTCAGGGTCTCAAGTTTAAAGAAGCCTATGAACGAGAAGTCAGTCTGAA
AAGGCCGCTGGGGAACTCCCCTGGAGAAAGACTGAACAGGAAAATGCCAGATTTTGGTCAAGTGACAGTTG
AGGAGAAGCTAACCCCCAGGGGAGAGAGAAGCGAGAAATATAATGATTTTGGGAACAGCTTCACTGTGAAT
TCCAACCTTATCTCACATCAGAGACTCCCCGTGGGAGACAGACCCCATAAGTGTGATGAATGTAGCAAGAG
CTTTAATCGAACTTCAGACCTTATTCAACATCAGAGAATCCACACTGGGGAAAAGCCCTATGAATGTAATG
AGTGTGGGAAGGCCTTCAGCCAGAGCTCACACCTTATTCAGCATCAGAGAATCCACACTGGGGAAAAACCT
TATGAATGTAGTGATTGTGGGAAAACCTTCAGCTGTAGCTCTGCCCTCATTCTGCATCGGAGGATCCACAC
GGGGGAGAAACCCTATGAATGTAATGAGTGTGGGAAGACCTTCAGCTGGAGCTCCACCCTCACCCACCATC
AGAGAATCCACACTGGTGAGAAACCCTACGCCTGCAATGAATGTGGGAAGGCCTTCAGCAGGAGCTCAACC
CTTATTCACCATCAGAGAATCCACACTGAAGCTCTTCCCACATTCGTTACACTGATAAGGCTTCTCCCCAG
TGTGGATCCGATAGTGACGAATGAGGCTGCCTTTCCCGCTGAAAGCCTTGCCACAATCTTTGCACTGATAT
GGCGCCTCTTCTGTGTGCATTCTCTGATGTTTAAGAAGGTCTGAGCTCTGCCCAAAAGCTTTTCCACACTT
ACAGTCATAGGGCCGGTCCACCAAGTGTGTTCTGTAATGGAGGGTGAGGTTTGAGCTGTGGCTGAAAGCTT
TCCCACACTTGGTGCACACGTAAGGTTTCTCCCCAGTGTGTGTTCTCCTGTGTTTGGTGAGATTTGAGCTA
TTACTAAAGGCTTTGCCACATTCAGCACATATATAACGTCTCTCTCCTGGGGTAGGTTTAGTAGGAACTGA
TTCTCTACCTTTCTTGGAGCCTGCCTCTTGAAGAGGGGGTTTTGTTCCTTTTTCATTTTCAAGGTTTACGC
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GCTTCAGAACCTTTCTGCTCATCTGCTGATTCCTCGTGCTGGGTACTCAATCTGCAATCTCGGACCTTTCT
TGGATCTTGAGCGAACTCCTGCTCCTCACCAGACTCTTGGATGTACAGGGGCCCCCAAGACTCGTATTTGT
GACTGGTCTCCAAGGGCTGTGGCTGCATGCTGCTCGGGGATTCCTTTGCAGTTCCTGAGGAGGATATCTTC

Table 6
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TCCCACACCGGTTTCTGTTCGTTTGGAGGAGTTGAGACCTGGTGTCCTGGCTCATCCAGTTCCCGCTCCAG
ATCTTCGAGGAGAGTGACAGCCTCTTCAGCGCTCTCCGGGCAATGCTCCTGCACCCAGGCCTGGAGCTCCT
GGGGCAGGATGGTCAGGAACTGCTCCAGCACCAGTAGCTCCAGGATCTGCTCCTTGGTGTGGATCTCGGGC
CTCAGCCACTCACAGCAGAGCACCCGGAGTTGGCTCAGGGCCTCTCGGGGTCCAGGGGTATCATGGTACCC
AAACTGCCTGAAGCGCTGGCGGAACATCTCCAGGCTAGGAAGGTACTTGCCTTTCTCTTCTTTCTCCTCGA
CTTTTACCATCAGAGGCCCCACCTGCTCCTGTGGAGGCCTAGGGCCCAGAACTGGGGCCATGCCTAGTACC
TTGGTCATCATGTAAACTCCAGAAACAGCCTCACCAAAGATGGGACTCTGTGGGGCAGGAATATTCGTTCC
TTTGGGTTTCCAGTTCTTTAGGGCCACAAGTTAAACCTGAAAATCCCTAGGGGGCCCGGCGCCGTGGCTCA
CACCTGTAATTCCAGCACTTTGGGAGGCCCGAGGCGGGCAGATCACGAGGTCAGGAGATCGAGACCATTCT
GGCTAACACGGTGAAACCCCGTCTCCATTTCTCCATAGCAGCCTTCCAACACTTGAAAACAATTATCTTGC
CTCTTAATTCTTTTCCTCTCCACAGCTCAACTGTTCCTTAGATTTCGTGGGTTTCCAAGTACCTCACCCAT
CAAATCAACGTTCTTTTTTTTTTTTGTGAGACCAAGTGTTGCTCTGTCGCCCAGGCTGGAGTGCAGTGGCGTG
ATCTCGGTTCAGTGCAACCTCCACCATGAATCAGAGCCGCTCCCCCACGCGTCCGCGGACGCGTGGTCGAC
TCCCTATAGN

Table3 3395

NNNNNNNCCGAGTCGAGGGGGTAAAAAAGGGGGGACAGAGAGGGGGCGAAAGGGGGCCCCATAGG
GGGAAATGGGGGGCCCCCCCGGGGGGGGGGGCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTCCTTTTTACTTCACAGCAAGATTTATTAATACATCCAAAAGAAAGAAAGAAAAATG
ATTTTGTCACACTATATACAGATAATACATACAGTGTTTCATACACATATTACATCAGTTTTTACACAAGA
AAAATATACATAAAAATGTAAACTTTTGTATACAAAAACCCTTAAACAAATTAAACAAGGACCAGATAACA
AAAGGAGACCAATTCATTATTATTTCATCAAATTTTTAAAACAGTAATACAGTACATTCATTGAGATATAT
ATGGAAAATGTGAGCCATCTCTTCTTGTTTAAAGGGAAATTACAAACCAAAAGTCAATCGCCTCCCAAGAC
GTGGTCCTCCCAGCAATGCCGCACCCAATGCCACAAGTATGCCTGTCCACCAGAACTGGGGGCTCTTACCA
AAACCTGCCCATCTCCTCATCTTGCTCCTACAGTCTGTGCAGAAACAAGTGGCTCCTAACTTTTGTGCATA
TAATTAAACTCCCAGCCACTATGAACACAAATACAGAGGAGAGATTGTCAGTTTGTAAGTTCCCTTTAAGC
GGCTTTTATATTTTTGTATTTATTTTTAATGCATGGCCTGTTAAACATACTTGGGTGCCAAGGTGAATGAG
AACACTGAAAAAGAAGGGCTTTGAGAACCGCTAGTCCTTGCTACCGTGCAGTTTCTTTGTTAGAAGAGATT
TTAAAACTGTCCAACCTGTCTCATTTGCTGGTTTCAAATAAGCTACCTCACCTTTGATTTCCCACTGCAAC
TTGGTTTCAACTTACACTTCAGTACTCTAGTTGTTAGTACCATACAATTGCCAAGAGGCTTTTTGTTAAAG
GCTACTTCTGATATCAGGTTCCAGCTAAGCTACTCAGTAAAATGGCTCAAACCCCAGCCTCTCTATTTTAG
TCTTCAGGAGTACTCTTACTTCACTGTTTTTTGTAACATCTTACAATTTAGGATTGTCCATCTACCTTCCT
CTCTCTGCAAGTTCTTGAGATGTAATCTGCTGCCAACTCTTCACAAAATAAAATAATATTTAATCGTTCTT
CCTTAATAGTCTTGCATTCAGTGTGTCAAATTGATGTACTAATGAAAAATACCTAAACTGTGGGGAATAAG
AATTAAATCTATTTCAAGCACATGCAACTTGGAACTCGCAAAAAAAAAAAAAAAAAAGAAAGAAAGAAAGAA
AGAAAAAAGAGTTTGGGAGGGCCCTTAACTAAAATGTGCTTAAGACAGCTTCATGAGAGAGCTGCCTTCTT
TCAAATTTGAATTTTGAACAAGGCAAAATAACAATTAGGTGATATATTTCCCTGCAGCATGGGAGTAGTTA
ACTTCCCCCAGGCAAAATGATCTCAATAATCATTATTTATTAATGAAAGGAGGAGGCAAATTGGTGAATTA
AGTTGATCTAGGAGATGGTGGCTGACATACACTAACGGAAATATTAGGATTGCTTTATAAGTGAAATAAAC
AGTCTGGTCTGTGGAACATCTCCACTTCAGAGAGAGGAAAAATGCACAAAGCTCCTCAAGTGAATCTCCAG
CTCTTTCTTACTCTCATGGGACAGATGGCATTTTTAAAATGACAGTCTCCCTTTCAGTTAAGCGGACGCGT
GG

Table3 3398

TGTCTAAGAGAAGAATCAAAATGCATCGCATGTATGCAATACTGACATCAGATCATGCAGAGATT
CCGTGTCAACTGTCAACAGGCATCTCAACAGTCTATAAGACNCAGATAGATTGGCNTGAGCAAGTCNAGAT
AGCAGTAAAAGNATTCAGAATCTCACNANTTACAAGTGAGTANTTACNAANAACTGGCTGCTCCATTAANA
AGTAAAAGGTCNACCATATCNCCTCATCCATGAAATCTAGTACGAANAACCAANNAACCACATAAANNTAT
TTCTTCTGAGGCTACTATATCCATCTCTTTCTGCNAACTAATGTAATACTTGTAAGATTTCCTTAAAATTA
TTTTTTCACAATTACAATTATCCTATTTCCACAATAGTGGCATTTCAGGTTACTCTTCATAACTATGGGGG
AGGTTATAGTTAGATATAATGATAACCATGAAAACATTCTTCACAGAAATTTGGTTAGCACATATGGTTAT
TTCTACTGACAGAAACCAAAAGACAAAATAAAAAAAATCCCTTCAAATTGGTACTTTGTTTCTCCACCTAA
AGGAAGAGAATAAAGACTAAAATAACAGCAAAACATAGAACAGCTTTCGAGAAACGCTTAATTTCTATATA
CAGGCATCAGCTCAATATTTTATGATTTTTCTTTCCCATTCTAAGGGAGTCCTTTTCTTTCTTACTTTTTT
TTTTTTTTTTGAGATGGAGTCTCGCTCTGTTGCCAGGCTGGAGTGCAGTGGTGTGATCTTGGCTCACTGAA
ACCTCCATCTCCTGAGTTCAAGTGATTCTCGTGCCTCAGCCTCCTGTGTAGCTGGGATTACAGGCTCCTGC
CACCACACCCAGCTAATTTTTATATTTTTAGTAGAGACGGGGTTTCACCATGTTGGCCAGGATGGTCTCGA
ACTCCTGACCTCGTGATCTGCCTGCCTTGGCCTCCCAAAGTGCTGAGATTACAGGCGTAAGTCACTGCGCC
TGGCCAGGGAGTCCTTTTCTAACTGAGCCTATTTTTCTCTTAGGTACAAATGGAATAAGTGACAAACTCTA
ATTTGTAGAAACATTTTAGGCCATGTATAAGTTCGGACGCGTGGGTCG

Table3 3399

NATAGGGAGTCGACCCACGCGTCCGGGACAGGAAGTGTCAGGACTTTACGACCCGCGCCTCCAGC
TGAGGTTTCTAGACGTGACCCAGGGCAGACTGGTAGCAAAGCCCCCACGCCCAGCCAGGAGCACCGCCGAG
GACTCCAGCACACCGAGGGACATGCTGGGCCTGCGCCCCCCACTGCTCGCCCTGGTGGGGCTGCTCTCCCT
CGGGTGCGTCCTCTCTCAGGAGTGCACGAAGTTCAAGGTCAGCAGCTGCCGGGAATGCATCGAGTCGGGGC
CCGGCTGCACCTGGTGCCAGAAGCTGAACTTCACAGGGCCGGGGGATCCTGACTCCATTCGCTGCGACACC

Table 6
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CGGCCACAGCTGCTCATGAGGGGCTGTGCGGCTGACGACATCATGGACCCCACAAGCCTCGCTGAAACCCA
GGAAGACCACAATGGGGGCCAGAAGCAGCTGTCCCCACAAAAAGTGACGCTTTACCTGCGACCAGGCCAGG
CAGCAGCGTTCAACGTGACCTTCCGGCGGGCCAAGGGCTACCCCATCGACCTGTACTATCTGATGGACCTC
TCCTACTCCATGCTTGATGACCTCAGGAATGTCAAGAAGCTAGGTGGCGACCTGCTCCGGGCCCTCAACGA
GATCACCGAGTCCGGCCGCATTGGCTTCGGGTCCTTCGTGGACAAGACCGTGCTGCCGTTCGTGAACACGC
ACCCTGATAAGCTGCGAAACCCATGCCCCAACAAGGAGAAAGAGTGCCAGCCCCCGTTTGCCTTCAGGCAC
GTGCTGAAGCTGACCAACAACTCCAACCAGTTTCAGACCGAGGTCGGGAAGCAGCTGATTTCCGGAAACCT
GGATGCACCCGAGGGTGGGCTGGACGCCATGATGCAGGTCGCCGCCTGCCCGGAGGAAATCGGCTGGCGCA
ACGTCACGCGGCTGCTGGTGTTTGCCACTGATGACGGCTTCCATTTCGCGGGCGACGGGAAGCTGGGCGCC
ATCCTGACCCCCAACGACGGCCGCTGTCACCTGGAGGACAACTTGTACAAGAGGAGCAACGAATTCGACTA
CCCATCGGTGGGCCAGCTGGCGCACAAGCTGGCTGAAAACAACATCCAGCCCATCTTCGCGGTGACCAGTA
GGATGGTGAAGACCTACGAGAAACTCACCGAGATCATCCCCAAGTCAGCCGTGGGGGAGCTGTCTGAGGAC
TCCAGCAATGTGGTCCATCTCATTAAGAATGCTTACAATAAACTCTCCTCCAGGGTCTTCCTGGATCACAA
CGCCCTCCCCGACACCCTGAAAGTCACCTACGACTCCTTCTGCAGCAATGGAGTGACGCACAGGAACCAGC
CCAGAGGTGACTGTGATGGCGTGCAGATCAATGTCCCGATCACCTTCCAGGTGAAGGTCACGGCCACAGAG
TGCATCCAGGAGCAGTCGTTTGTCATCCGGGCGCTGGGCTTCACGGACATAGTGACCGTGCAGGTCCTTCC
CCAGTGTGAGTGCCGGTGCCGGGACCAGAGCAGAGACCGCAGCCTCTGCCATGGCAAGGGCTTCTTGGAGT
GCGGCATCTGCAGGTGTGACACTGGCTACATTGGGAAAAACTGTGAGTGCCAGACACAGGGCCGGAGCAGC
CAGGAGCTGGAAGGAAGCTGCCGGAAGGACAACAACTCCATCATCTGCTCAGGGCTGGGGGACTGTGTCTG
CGGGCAGTGCCTGTGCCACACCAGCGACGTCCCCGGCAAGCTGATATACGGGCAGTACTGCGAGTGTGACA
CCATCAACTGTGAGCGCTACAACGGCCAGGTCTGCGGCGGCCCGGGGAGGGGGCTCTGCTTCTGCGGGAAG
TGCCGCTGCCACCCGGGCTTTGAGGGCTCAGCGTGCCAGTGCGAGAGGACCACTGAGGGCTGCCTGAACCC
GCGGCGTGTTGAGTGTAGTGGTCGTGGCCGGTGCCGCTGCAACGTATGCGAGTGCCATTCAGGCTACCAGC
TGCCTCTGTGCCAGGAGTGCCCCGGCTGCCCCTCACCCTGTGGCAAGTACATCTCCTGCGCCGAGTGCCTG
AAGTTCGAAAAGGGCCCCTTTGGGAAGAACTGCAGCGCGGCGTGTCCGGGCCTGCAGCTGTCGAACAACCC
CGTGAAGGGCAGGACCTGCAAGGAGAGGGACTCAGAGGGCTGCTGGGTGGCCTACACGCTGGAGCAGCAGG
ACGGGATGGACCGCTACCTCATCTATGTGGATGAGAGCCGAGAGTGTGTGGCAGGCCCCAACATCGCCGCC
ATCGTCGGGGGCACCGTGGCAGGCATCGTGCTGATCGGCATTCTCCTGCTGGTCATCTGGAAGGCTCTGAT
CCACCTGAGCGACCTCCGGGAGTACAGGCGCTTTGAGAAGGAGAAGCTCAAGTCCCAGTGGAACAATGATA
ATCCCCTTTTCAAGAGCGCCACCACGACGGTCATGAACCCCAAGTTTGCTGAGAGTTAGGAGCACTTGGTG
AAGACAAGGCCGTCAGGACCCACCATGTCTGCCCCATCACGCGGCCGAGACATGGCTTGCCACAGCTCTTG
AGGATGTCACCAATTAACCAGAAATCCAGTTATTTTCCGCCCTCAAAATGACAGCCATGGCCGGCCGGGTG
CTTCTGGGGGCTCGTCGGGGGGACAGCTCCACTCTGACTGGCACAGTCTTTGCATGGAGACTTGAGGAGGG
AGGGCTTGAGGTTGGTGAGGTTAGGTGCGTGTTTCCTGTGCAAGTCAGGACATCAGTCTGATTAAAGGTGG
TGCCAATTTATTTACATTTAAACTTGTCAGGGTATAAAATGACATCCCATTAATTATATTGTTAATCAATC
ACGTGTATAGAAAAAAAATAAAACTTCAATACAGGCTGTCCATGGAAACAGCGAACGCGTCTTCCAGCACA
TGGCGGCCGTTATAGTGGAACCGAGCCGGGTACCAAGTCNN
Table3 3401
TGCACTGTGACAAGCTGCACAACTCCCTCATTGGCACCAAGGGCCGTCTGATCCGCTCCATCATG
GAGGAGTGCGGCGGGGTCCACATTCACTTTCCCGTGGAAGGTTCAGGAAGCGACACCGTTGTTATCAGGGG
CCCTTCCTCGGATGTGGAGAAGGCCAAGAAGCAGCTCCTGCATCTGGCGGAGGAGAAGCAAACCAAGAGTT
TCACTGTTGACATCCGCGCCAAGCCAGAATACCACAAATTCCTCATCGGCAAGGGGGGCGGCAAAATTCGC
AAGGTGCGCGACAGCACTGGAGCACGTGTCATCTTCCCTGCGGCTGAGGACAAGGACCAGGACCTGATCAC
CATCATTGGAAAGGAGGACGCCGTCCGAGAGGCACAGAAGGAGCTGGAGGCCTTGATCCAAAACCTGGATA
ATGTGGTGGAAGACTCCATGCTGGTGGACCCCAAGCACCACCGCCACTTCGTCATCCGCAGAGGCCAGGTC
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TCACAGTACAGAGCCAGTTGTCCAGGAGAATGGGGACGAAGCTGGGGAGGGGAGAGAGGCTAAAGATTGTG
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TGGGGTTATCAGGCCTAGCTCACCTTGTGTGcaagtCAGTGTCGAGTGCCACCTGCGTACTGGATGCTGCT
CTCAGTGCTGCGGTGCCACAGCACACAAAAATAGTTCTCACGTTGCCGTGGAGAGACAAGCAGTCAACGCA
GATATATCCTGTGGCAAGTGATGGCattGGTTCCTGTCACCATTGAAGTAGAGGTGCCCTTTGACCTTCAC
CGTTACGTTATTGGGCAGAAAGGAAGTGGGATCCGCAAGATGATGGATGAGTTTGAGGTGAACATACATGT
CCCGGCACCTGAGCTGCAGTCTGACATCATCGCCATCACGGGCCTCGCTGCAAATTTGGACCGGGCCAAGG
CTGGACTGCTGGAGCGTGTGAAGGAGCTACAGGCCGAGCAGGAGGACCGGGCTTTAAGGAGTTTTAAGCTG
AGTGTCACTGTAGACCCCAAATACCATCCCAAGATTATCGGGAGAAAGGGGGCAGTAATTACCCAAATCCG
GTTGGAGCATGACGTGAACATCCAGTTTCCTGATAAGGATGATGGGAACCAGCCCCAGGACCAAATTACCA

Table 6
2533/3331

TCACAGGGTACGAAAAGAACACAGAAGCTGCCAGGGATGCTATACTGAGAATTGTGGGTGAACTTGAGCAG
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TCGCAAAATCATGGACGAATTCAAGGTGGACATTCGCTTCCCACAGAGCGGAGCCCCAGACCCCAACTGCG
TCACTGTGACGGGGCTCCCAGAGAATGTGGAGGAAGCCATCGACCACATCCTCAATCTGGAGGAGGAATAC
CTAGCTGACGTGGTGGACAGTGAGGCGCTGCAGGTATACATGAAACCCCCAGCACACGAAGAGGCCAAGGC
ACCTTCCAGAGGCTTTGTGGTGCGGGACGCACCCTGGACCGCCAGCAGCAGTGAGAAGGCTCCTGACATGA
GCAGCTCTGAGGAATTTCCCAGCTTTGGGGCTCAGGTGGCTCCCAAGACCCTCCCTTGGGGCCCCAAACGA
TAATGATCAAAAAGAACAGAACCCTCTCCAGCCTGCTGACCCAAACCCAACCACACAATGGTTTGTCTCAA
TCTGACCCAGCGGCTGGACCCTCCGTAAATTGTTGACGCTCTTCCCCCTTCCCGAGGTCCCGCAGGGAGCC
TAGCGCCTGGCTGTGTGTGCGGCCGCTCCTCCAGGCCTGGCCGTGCCCGCTCAGGACCTGCTCCACTGTTT
AACACTAAACCAAGGTCATGAGCATTCGTGCTAAGATAACAGACTCCAGCTCCTGGTCCACCCGGCATGTC
AGTCAGCACTCTGGCCTTCATCACGAGAGCTCCGCAGCCGTGGCTAGGATTCCACTTCCTGTGTCATGACC
TCAGGAAATAAACGTCCTTGACTTTATAAAAAAAAAA

Table3 3405

NNNNNNNNNNNNNNNNNNNNNNACTTCTAGCATTAATTACGCCAGCCACCATGCTAGGTAACAAG
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GACACTACATCAACCTCATCACCAGGCAGAGATATGGAAAACGATCTAGCCCAGAGACACTGATTTCAGAC
CTCTTGATGAGAGAAAGCACAGAAAATGTTCCCAGAACTCGGCTTGAAGACCCTGCAATGTGGTGATGGGA
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TCCTACCAATGCATGCAGCCACTGTGCTGAATTCTGCAATGTTTTCCTTTGTCATCATTGTATATATGTGT
GTTTAAATAAAGTATCATGCATTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAATAGTCAGGATTATT
TTCGTTAAACTTATTATTAACAATTAGTCATTATAGTCTCCCTCAACTAGCAGATTCAGGGTTCGTTTCGC
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AGAACTTCCTGACTAACTAGAGCTTTCTGTGGAATGTCCTTTATCCCTCTGTCTAATACGGCAGCCACTAG
CCACATGTGGTTTTTGAGCCCCTGAATGTAGTAAGTGCAAATAAAGAGATGAGTTTTAAATTTTATTTAAT
TTTAATGAATTTTAACTTAAATGGCCATTAAGTCTCTAGTGGCTACCATATCAGACCGTTGAGGTCTATAC
ATCTATTTTGGTCACTACTGTTAGAATTTGAGTGAGAAATACAATGAGTGGGATGATTATCTTTTCATACA
ACATGGGGCATGTTAATTAATTTAGCTGAAATTTATTAAACTTCCTCCTTCATGT

Table3 3407

NNNNNNNNNNNNNNNNNNAATTTGTAGGAAAAAGCGAAAGTGTGAATGAGGATACATCGAATCCTA
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CATGGCCTTCTATTTCTGTGCCCCACCATGGGGTTACACCCCTAAAACACATTGGCCCAGCATGATATGTG
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TTAACATAGTCCTGTGAGATGCCAGCTGCCATGACCAAGCAGTATTCCCACTCCTCCTCTACACTCTGGCA
AGGCTTTCCTGGAACATCCCCATGCCCACATCTTTACCCAGTAACTCACTAAAGCCACTCTTGACTCAAGC
AGGTGCCGTTCCTTGATCACGGAATCTACCTTTGATTTCATCAGGCCAGATTCACAAACAGAATGGGAGTG
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CTTCCCCCAAATATTGTGTGACATTTGTAATTAATAAAAATCACTTAACGATAAATTAATAAGCAGTTCAT
ATTTATATTTTTACTTAATTACNNNNN

Table3 3408

CCTCTAAGTCTCCGCCACGCAGGAAACAAAAGCGATAGAAGGTCCGTTCCTGTCCTCCGGTGCTT
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GAAAAAATTGCCACGTGATGCAGAAGCTTCCAACGTGCTTGTTGGGGAGGTTGACTTTTTGGATACTCCTT
TCATTGCCTTTGTTAGGCTACAGCAGGCTGTCATGCTGGGTGCCCTGACTGAAGTTCCTGTGCCCACAAGG
TTCTTGTTCATTCTCTTAGGTCCTAAGGGGAAAGCCAAGTCCTACCACGAGATTGGCAGAGCCATTGCCAC
CCTGATGTCTGATGAGGTGTTCCATGACATTGCTTATAAAGCAAAAGACAGGCACGACCTGATTGCTGGTA
TTGATGAGTTCCTAGATGAAGTCATCGTCCTTCCACCTGGGGAATGGGATCCAGCAATTAGGATAGAGCCT
CCTAAGAGTCTTCCATCCTCTGACAAAAGAAAGAATATGT

Table3 3410

ttcggcttgtgttctgtagttcggtttctttggccttgctgcttgtctgctcgttttccgtccgc
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GTGTCtttttggtcgtcttctgctgtcctttcttcccgattgttgttcgcgtttccttttctcgttttgtg

Table 6
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tgttgcgttatattgttctgtggctgttgagtctgtgggtaggaggtccgaccgttatttggttgtgtgtt
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CTCGcCTGCGGCcgcgtgcgcctCGTCCGCGccttcccccgcgcctcatgcctctccgcttttgtggtccc
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TGACGGTGGTTTGGGGGACCTGAACAAACCTCCTGTAATTAATCAGCTTTCAGTTTCTCCCCCTAGTCCCT
CCTTCAACAACATAGGAGGATCCTCCCCTTCTTTCTGCTCACGGCCTTATCTAGGCTTCCCAGTGCCCCCA
GGACAGCGTGGGCTATGTTTACAGCGTCATCCTTGCTGTGTGTGTGCCTCATGCATTGTGGCTCCAGCTTA
TCCTCAGTGATCTGTAGAGAGTGTCCACCTTGTGTCACTGTCCACTCTTCCAGGGTGGGCCCCACCCCTCC
CATCTCTGCACCCCACAAACAACATGGTCACCCGCGTCTTTGTGTGTCCACACTGAAACTGAGCGAGAA
GTCTTCAGAGACAGCCAGTGTTCCGAAGGAGAGGACGAAATTATACCCATTTCAGAAACATTGGCATACAC
CTGTGTCTGCCCATTCCTTTTCCTAGCAGACCTGGACTCCACACCAGAAAGCACAGGTCAGTAGGACTCAG
GAGGCTCGAGCTTCGGCCAGGTGAGTTCCAAGCTTCAGGTGTCCAGCATCCAGAAAGGCCAAGTGATGCCA
GAACGTGAGGTGGACTTAAATTTACTAGAGGTAGGGGTGGGACAGGGGCACTCAGGGGTTGGCTGCGATGG
TGTCCTTGATCCACTTCCGGTAATGCACCACCTTGGTGTACACAGCAGGCTTTTCAGGCAGGGCACATGGC
TCAGGGCCCCATGATGTGATACCTTGAAGCACACCATTACAGACAAGTGGACCCCCAGAATCACCCTAAGG
GTAAAGGAGGAGAGACACAGTGAGAAAGATTGGCCCCAATAACTGCCTAGGCAACTCCATCTCTCAGAACC
GCGCAGGCAGATGACTGAGAGCAATTCCCAGCTCTCAGGAACAGACAGAAATGTCTCCAGAACCCACTCCC
ACAAGAATATGGGCAGGGAGTCCAACAGAGGGAACAAGGCTCCAGTCTTGGCCTATGGGGAGGGGACTTCA
GGGTCCAGCTCCTGCACAAGGGGCAAGGTCCAGGAGGACAGTCCCTGCAGACAGGTCAGCAGGATGAGGGC
CGGGACCATCTGCAGGATGCTGCCCCCACAGGCACATCGCAGAGGCCACCTCTTCAGGACTACTCTCTGAC
TAGATGTCCCCTCTCCAGGGCATTGGGGAGCCATGGAGGGCCGTGGGCAGGGCTGGGTATGGTCAGTTCAG
TGATCAGAATGACCCACTGAGGCCAGATGGAGGATGGAGTGGAGGGGAGAGACTGAGGGCCAGGAGACTGT
GAGGGAGGCTGGGTGAGGGCCCAGGCAGGGGCAAGGCCTGGAGCCACCCCCAGGTCATCCTCATCGTcACC
GGACGCGTGGgtcGACTCCCTATa

Table3 3411

ACTGATGACACAAACATGGCAGACACTTTCACCGAGATTATGACCATGATGTCGCCTTCACAGTT
CTTGAGTTCATCTCCTTTGAGAATGACAAATAATGAAGACAGTCTGAGTCCCACCAGCAGCACTCTGTCAA
ACCTGGAACTGGATGCAGCCGAAAAGGATCGCAAGCTTCAGGAGAAAGAGAAGCGCATCGAAGAGCTGAAG
AGGAAACTGGAACAAGAGCAGAAGCTCGTGGAAGTGCTGAAAATGCAACTTGAGGTTGAAAAACGAGGGCA
GCAGCCATCGGCCCCTGTAAGCCCAGCCCAGTGCCCCAGGTCATTCTGTCAAGTCAGATCAGAAACACCGC
AGCCTTGGCTCCTTCATCAAAGATGAGGCCTAACTCCCTGACTGTTCCAGCTTCAGGCAGCCCATCCCAGT
AGCCAGCCACGCTGTAGGCCAGCCCGTCTCTACAGGTGGCCAGACCCTTGTTGCCAAAAAGGCTGTAGTTA
TCAAGCAAGAGGNN

Table3 3412

catagtaagtgaggagtacatttcttggtcttctcccttgaccactccaagtctctgatctacca
gagatggcagtttatttcctctggaagaagccagtaatgaacacctgtctgttggctttgttcacagtcat
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CGGAAGAGGTGATTTATTATATGGTTGTTACACTCGGCCACAAATAAACACAGAAATAGTCCAGAATGTCA
CAGGTCCccaGGGCAGAGGACCCAACATGGGCATTTTGTTTATGAAGCAAGGTGGGTCCTCAGAGGTGATC
GGCGATCAGAGGGCGATGAAGTTCTAGATCCATTGAGACAAGCTCTAGACAGTAGCATGCAGTCCCACAAC
TTGTACCAGCATCCCCAGCGTCTGGCATTCCATGTTTCTGCTCCTGTGGCCTCCACGGTGCAACAAGCTAG
CGGTTTACTTGGACCTCTGCCTCATCTTTCTCTTTTGCGCTTCAGCCTGCGCATTCGCTTCTTCCTCCACT
TGGCTCTCGGCCTTAGCGCCATTTTTTTGGAAACCTCTGCGCCATGAGAGCCAAGgtgagcggttccTGGT
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ctactgggtttcaagggtgcccaagagctggtggGAGAGAGCCAAGTGGAGGAAGAAGCGAATGCGCAGGC
TGAAGCGCAAAAGAAGAAAGATGAGGCAGAGGTCCAAGTAAACCGCTAGCTTGTTGCACCGTGGAGGCCAC
AGGAGCAGAAACATGGAATGCCAGACGCTGGGGATGCTGGTACAAGTTGTGGGACTGCATGCTACTGTCTA
GAGCTTGTCTCAATGGATCTAGAACTTCATCGCCCTCTGATCGCCGATCACCTCTGAGACCCACCTTGCTC
ATAAACAAAATGCCCATGTTGGGTCCTCTGCCCTGGACCTGTGACATTCTGGACTATTTCTGTGTTTATTT
GTGGCCGAGTGTAACAACCATATAATAAATCACCTCTTCCGCTGTTTTAGCTGAAGAGGTGATTTATTATA
TGGTTGTTACACTCGGCCACAAATAAACACAGAAATAGTCCAGAATGTCACAGGTCCAGGGCAGAGGACCA

Table 6
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ACATGGGCATTTTGTTTATGAGCAAGGTGGGTCTCAGAGGTGATCGGCGATCAGAGGGCGATGAAGTTCTA
GATCCATTGAGACAAGCTCTAGACAGTAGCATGCAGTCCCACAACTTGTACCAGCATCCCCCAGCGTCTGG
GCATTCCATGTTTCTGCTCCTGTGGCCTCCACGGTGCAACAAGCTAGCGGTTTACTTGGACCTCTGCCTCA
TCTTTCTTCTTTTGCGCTTCAGCCTGCGCATTCGCTTCTTCCTCCACTTaGCAaccgatcacaagcagcag
ataattaaaaaaaaaaaaaaaaaaaaagggatgaagCTTATTAGTAGGCTTAGCAAggataTGAAATGCACT
CTTTAGAACCGGACAGATTCTTAACCAAGAAGTATGAAAGATTGGTCGTAACAACTACATCAGTAACTTGG
ACACCCTCCCAACATAAGATCAGAATTCCACCCTTTTCTAAGCCCACCCTCTCTACCCATAGCACTTAACC
GCTAGCTCTCTCACAAACTACCTTCTCTCTCCCACCAGCTCTTGGGCACCCTTGAAACCCAGTAGTTCAGG
AGGTATGGCGGACTTGCCTTCGTCTCCTCGCTACTACTCGCCAACTCCTACCTCCCAAGCTTACTACCAGG
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TGTGATGATGCTAAGTGCCGAGGTCAGATGTCTATGGATTGTACACGGAATCCCAACGCAGGAACCAAAAA
ACACTCACCCAAAAAAATGGCGCGGACGc
Table3 3413
acCCACGCGTCCGGTTGCGGGCTCCGGGGCCGTCGACCATGCCGCTCGACCTCCACCTCCGCTGG
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TGGTCGATGGACCTTGCACTCAAGTGAGGAGACAGGCCATGCCTTTCAAGTGCATGCAGCTCACTGATTTC
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AAAATGGGCAGCCACACGATGGGCCAAGAAGATTGAAGCCAGAGAAAGGAAAGCCAAGATGACAGATTTTG
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TGCTGCTGCTGCTGCTGCTGCTGCTGCTAAAGTTCCAGCAAAAAAGATCACCGCCGCGAGTAAAAAGGCTC
CAGCCCAGAAGGTTCCTGCCCAGAAAGCCACAGGCCAGAAAGCAGCGCCTGCTCCAAAAGCTCAGAAGGGT
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cgcaaagcgcaaaacaaacacaataaacacaacacgaaatggtgcgccgcgcagacgctgaagcaaccaca
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Table3 3415
NATAGGAGTCGACCCACGCGTCCGCCGCAAGGAGGAGCCGGCGGTAGCTTGGTTCCTGAGCGGAT
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CTTATTCTTCCTCCTCTTCTTCCTCTTCCTCCTCTTCTTCCTCTTCCTCTTCTTCATCTTCTTCCTCTTCC
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Table 6
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GCTTAATAAAAGTAAAACACCCACCTCAGATTGATATGTTATACGTAGGACATCCTCTGCATCTTCACTAC
ACAGTGAGCATCACCAGTTTTATCCCACGTTTTAACTTTCTAAGCATAGATCTGCCAGTGGTTGTGGAGAC
ATTTGTCAAGTACCTGATTTCCCTCTCAGGAGCTCTGGCTATTGTTAATGCAGTACCCTGCTTTGCTTTGG
ATGGACAATGGATTCTAAACTCTTTCTTGGATGCCACCCTTACCTCAGTGATTGGAGACAATGATGTCAAA
GATCTAATAGGGTTTTTCATCTTGCTGGGTGGCAGTGTACTTTTGGCTGCCAATGTGACCCTGGGACTCTG
GATGGTTACAGCACGGTAATGTTTGCACTCATCTGACAGAATCCCTGAGTTACAGTATACAGCTATGTGGT
AATATTCATTGCCATTGAAATTCTTACTTGGTATGAAATATAAAGTGTTTCCTTAAAATTACATCTTAGCC
AACAACCCTGAGCTCCTCCCATATCCAGAGTACCCAAACTCTGTGGTAGAAGATAAGCAGAAGAAATGAAA
GGCATAGTCCCTGACTATATTCTAATTTAGGACTGAATGTACCCAGATGCTTGTGGAATAATATCTAAGCA
AGTGCAAATTCATGTAATACCGTTTTGTCTGATTACATATTGTGTTGAAATAGTATAAAGGAGAACAGAAC
TGGGTGGAATTAATTGGGAAAAACTTCTTACAAAAGCATCATTAATCAAAATTTGAAGGAGACCAGACTTT
GGCCAAGTGGAAGGATGACCATTGTCTTGGCCTGTATCTCTTGTCCTTTGTCTTGTTTGAAAAGTATTTTA
AAACTTAATGGTGTATTATTTTGTGCTCTGAAAGCTGAGGTCTGATTACAATTAGTAAAATTCTATAGAAG
AATCTGCTGACGTGAAAGGGAAAAATCTTTGTCAAATGATACCAAATAAATGGACCAAACAGGAGGTAGGG
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CTTTGCCTCCGGGCCGGGGAATCACACACTGGTCGTGACCAGGGGCCGGGGCATTCAACACCGGCCTTCCA
AAACGCGAGAAGGCACACCCCAAGGGGGGACCCAGAAATGGCGGAAGGAGGCGGGCCAAACACATCCNN
Table3 3416
NNACGCGTCCGCGCGACGGGGCGGTGCGCGGAGCCTCCAGCCGAGCCTAGCCCTGCCCGGCCCCG
GAGGACTTGCAACACTCCGAGGCCAGGAACGCTCCGTCTGGAACGGCGCAGGTCCCAGCAGCTGGGGTTCC
CCCTCAGCCCGTGAGCAGCCATGTCCAACCCCAGCGCCCCACCACCATATGAAGACCGCAACCCCCTGTAC
CCAGGCCCTCCGCCCCCTGGGGGCTATGGGCAGCCATCTGTCCTGCCAGGAGGGTATCCTGCCTACCCTGG
CTACCCGCAGCCTGGCTACGGTCACCCTGCTGGCTACCCACAGCCCATGCCCCCCACCCACCCGATGCCCA
TGAACTACGGCCCAGGCCATGGCTATGATGGGGAGGAGAGAGCGGTGAGTGATAGCTTCGGGCCTGGAGAG
TGGGATGACCGGAAAGTGCGACACACTTTTATCCGAAAGGTTTACTCCATCATCTCCGTGCAGCTGCTCAT
CACTGTGGCCATCATTGCTATCTTCACCTTTGTGGAACCTGTCAGCGCCTTTGTGAGGAGAAATGTGGCTG
TCTACTACGTGTCCTATGCTGTCTTCGTTGTCACCTACCTGATCCTTGCCTGCTGCCAGGGACCCAGACGC
CGTTTCCCATGGAACATCATTCTGCTGACCCTTTTTACTTTTGCCATGGGCTTCATGACGGGCACCATTTC
CAGTATGTACCAAACCAAAGCCGTCATCATTGCAATGATCATCACTGCGGTGGTATCCATTTCAGTCACCA
TCTTCTGCTTTCAGACCAAGGTGGACTTCACCTCGTGCACAGGCCTCTTCTGTGTCCTGGGAATTGTGCTC
CTGGTGACTGGGATTGTCACTAGCATTGTGCTCTACTTCCAATACGTTTACTGGCTCCACATGCTCTATGC
TGCTCTGGGGGCCATTTGTTTCACCCTGTTCCTGGCTTACGACACACAGCTGGTCCTGGGGAACCGGAAGC
ACACCATCAGCCCCGAGGACTACATCACTGGCGCCCTGCAGATTTACACAGACATCATCTACATCTTCACC
TTTGTGCTGCAGCTGATGGGGGATCGCAATTAAGGAGCAAGCCCCCATTTTCACCCGATCCTGGGCTCTCC
CTTCCAAGCTAGAGGGCTGGGCCCTATGACTGTGGTCTGGGCTTTAGGCCCCTTTCCTTCCCCTTGAGTAA
CATGCCCAGTTTCCTTTCTGTCCTGGAGACAGGTGGCCTCTCTGGCTATGGATGTGTGGGTACTTGGTGGG
GACGGAGGAGCTAGGGACTAACTGTTGCTCTTGGTGGGCTTGGCAGGGACTAGGCTGAAGATGTGTCTTCT
CCCCGCCACCTACTGTATGACACCACATTCTTCCTAACAGCTGGGGTTGTGAGGAATATGAAAAGAGCCTA
TTCGATAGCTAGAAGGGAATATGAAAGGTAGAAGTGACTTCAAGGTCACGAGGTTCCCCTCCCACCTCTGT
CACAGGCTTCTTGACTACGTAGTTGGAGCTATTTCTTCCCCCAGCAAAGCCAGAGAGCTTTGTCCCCGGCC
TCCTGGACACATAGGCCATTATCCTGTATTCCTTTGGCTTGGCATCTTTTAGCTCAGGAAGGTAGAAGAGA
TCTGTGCCCATGGGTCTCCTTGCTTCAATCCCTTCTTGTTTCAGTGACATATGTATTGTTTATCTGGGTTA
GGGATGGGGGACAGATAATAGAACGAGCAAAGTAACCTATACAGGCCAGCATGGAACAGCATCTCCCCTGG
GCTTGCTCCTGGCTTGTGACGCTATAAGACAGAGCAGGCCACATGTGGCCATCTGCTCCCCATTCTTGAAA
GCTGCTGGGGCCTCCTTGCAGGCTTCTGGATCTCTGGTCAGAGTGAACTCTTGCTTCCTGTATTCAGGCAG
CTCAGAGCAGAAAGTAAGGGGCAGAGTCATACGTGTGGCCAGGAAGTAGCCAGGGTGAAGAGAGACTCGGT
GCGGGCAGGGAGAATGCCTGGGGGTCCCTCACCTGGCTAGGGAGATACCGAAGCCTACTGTGGTACTGAAG
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TAAGTTGCACTGGGGGATTTCTGACTTGAGGCCCATCTCTCCAGCCAGCCACTGCCTTCTTTGTAATATTA
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CCAAGGATATAGTTAGGATTAATTACTTAATAGAGAAATCCTAACTATATCACACAAAGGGATACAACTAT
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GCGAAGAGGGCCCGGACGGACGGCCTTCCCAAAGGTGGCGCACCCGTAAGGGGCGAGGGCAAGGGAACGCG
AAATCTGGGGAAAAGCCGGTAACTTGGGGAGACACCCACCTGTACCAAGACGACACGGGAAACCCCTTCAC
AGCACACAGGCCGTGGGCCGCGAGAGCANNNNNN
Table3 3418
NNACTATAGGGCGAATAGTAGCTGCACGCGCGGTGGCTGCACCGCGGCAGGCGGCCGAGGCACGC
GGGGGCTGATGCCATTTTCAGCCTCAGCACGCCTGCACCCAGGCGCTCATTAAAACAGCATGTTGCTCCCC
ACTGCCTCGTGTTGTCTGTTGGCGCGCTGTCGGGGTTCGAACCGATACAAGAACCTTCCACCTACCTGGTG
CTTTGGCCTCATCTATAAGCGGCCAGTCATCTGCCCTAAGTGCTGCCGCCGAAGACTGAATGTCCTGGAAA
GTTTGCTGTCACATCTCCATTATGACAAAAGCATTGTGCCGAACAGATGAAAAAATGCATTGTCAACGGAA
TCTTTTATGTTTGTTTGTCTTCCTTTAAGCAACATTGCCTTACTTGTTATAAAAGATAAATAAATATTTGT
TCATTTCTAAACACAGACCAAGAAGAAAAAGAACAAAGT

Table 6
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Table3 3419
ACTTTTTTCTTTTTTTTTCTGTTTGTGGTCCGGCCTTCTTTTGTGTGTGCGTGTGATGCATCTTT
AGATTTTTTTCCCCCACCAGGTGGTTTTTGACACTCTCTGAGAGGACCGGAGTGGAAGATGGGTGGGTTAG
GGGAAGGGAGAAGCATTAGGAGGGGATTAAAATCGATCATCGTGGCTCCCATCCCTTTCCCGGGAACAGGA
ACACACTACCAGCCAGAGAGAGGAGAATGACAGTTTGTCAAGACATATTTCCTTTTGCTTTCCAGAGAAAT
TTCATTTTAATTTCTAAGTAATGATTTCTGCTGTTATGAAAGCAAAGAGAAAGGATGGAGGCAAAATAAAA
AAAAATCACGTTTCAAGAAATGTTAAGCTCTTCTTGGAACAAGCCCCACCTTGCTTTCCTTGTGTAGGGCA
AACCCGCTGTCCCCCGCGCGCCTGGGTGGTCAGGCTGAGGGATTTCTACCTCACACTGTGCATTTGCACAG
CAGATAGAAAGACTTGTTTATATTAAACAGCTTATTTATGTATCAATATTAGTTGGAAGGACCAGGCGCAG
AGCCTCTCTCTGTGACATGTGACTCTGTCAATTGAAGACAGGACATTAAAAGAGAGCGAGAGAGAGAAACA
GTTCAGATTACTGCACATGTGGATAAAAACAAAAACAAAAAAAAGGAGTGGTTCAAAATGCCATTTTTGCA
CAGTGTTAGGAATTACAAAATCCACAGAAGATGTTACTTGCACAAAAAGAAATTAAATATTTTTTAAAGGG
AGAGGGGCTGGGCAGATCTTAAATAAAATTCAAACTCTACTTCTGTTGTCTAGTATGTTATTGAGCTAATG
ATTCATTGGGAAAATACCTTTTTATACTCCTTTATCATGGTACTGTAACTGTATCCATATTATAAATATAA
TTATCTTAAGGATTTTTTATTTTTTTTTTATGTCCAAGTGCCCACGTGAATTTGCTGGTGAAAGTTAGCACT
TGTGTGTAAATTCTACTTCCTCTTGTGTGTTTTACCAAGTATTTATACTCTGGTGCAACTAACTACTGTGT
GAGGAATTGGTCCATGTGCAATAAATACCAATGAAGCACAATCAAGATTATGTACTGTGTGTCTGTAAAGG
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TAGGTTTCCATGACTCAATAACATAGCAAAATGCCTCCAGACCTAAATAAGGTGTTTACCTACTGAGGGCT
ACAGATTTACCCTACATTTTCACAGCCGGATTCAAGGTGTTCTAGACTACTTGTAGGCACTTTCAAGATCC
CATCTGCTGCACTTGACTGAAGAAGTGACCTTTGTGATTGCGTAGCTCCAANNNAAAAAAAAAAAANAAAA
AANAAAAAAAAATAAAAAAAAAAAAAATAATAATAAAAAAAATCCTCGAGGGGGGGCCCGGTCCCCAATTC
GCCCTATAGGGAGTGGTTTTACGCGCGCCCACTGGGCCGTGTTTTACAACGTCGGGAATGGGAAACCCNNN
Table3 3420
GGGAGTCACCCACGCGTCCGGGCGGCGCGGCCGCGCGAGGGTGATGAAGGCCTACGAGTGCGGCG
CGGCCTGAAGGGGCACGCGGGGGACCTGCAAAGCTAGTGAGGGGCGGGGCAGGCGGCGCGGTGGGGGCGGG
CCGAGCCCGGAGGCCAGATGAGCGGACACAGCCCCACGCGCGGGGCCATGCAGGTGGCCATGAACGGTAAG
GCCCGCAAAGAGGCGGTGCAGACTGCGGCTAAGGAACTCCTCAAGTTCGTGAACCGGAGTCCCTCTCCTTT
CCATGCTGTGGCTGAATGCCGCAACCGCCTTCTCCAGGCTGGCTTCAGTGAACTCAAGGAGACTGAGAAAT
GGAATATTAAGCCCGAGAGCAAGTACTTCATGACCAGGAACTCCTCCACCATCATAGCTTTTGCTGTAGGG
GGCCAGTACGTTCCTGGCAATGGCTTCAGCCTCATCGGGGCCCACACGGACAGCCCCTGCCTCCGGGTGAA
ACGTCGGTCTCGCCGCAGCCAGGTGGGCTTCCAGCAAGTCGGTGTGGAGACCTATGGTGGTGGGATCTGGA
GCACCTGGTTTGACCGTGACCTGACTCTGGCTGGACGCGTCATTGTCAAGTGCCCTACCTCAGGTCGGCTG
GAGCAGCAGCTGGTGCACGTGGAGCGGCCCATTCTTCGCATCCCACACCTGGCCATCCATCTGCAGCGAAA
TATCAACGAGAACTTTGGGCCCAACACAGAGATGCATCTAGTCCCCATTCTTGCCACAGCCATCCAGGAGG
AGCTGGAGAAGGGGACTCCTGAGCCAGGGCCTCTCAATGCTGTGGATGAGCGGCACCATTCGGTCCTCATG
TCCCTGCTCTGTGCCCATCTGGGGCTGAGCCCCAAGGACATAGTGGAGATGGAGCTCTGCCTTGCAGACAC
CCAGCCTGCGGTCTTGGGTGGTGCCTATGATGAGTTCATCTTTGCTCCTCGGCTGGACAATCTGCACAGCT
GCTTCTGTGCCCTGCAGGCCTTGATAGATTCCTGTGCAGGCCCTGGCTCCCTGGCCACAGAGCCTCACGTG
CGCATGGTCACACTCTATGACAACGAAGAGGTGGGGTCTGAGAGTGCACAGGGAGCACAGTCACTGCTGAC
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CGGCCTTTATTCCACAAGGGCCCCGTGATCAAGGTGAACAGCAAGCAACGCTATGCTTCAAACGCGGTGTC
AGAGGCCCTGATCCGAGAGGTGGCCAACAAAGTCAAGGTCCCCCTGCAGGATCTCATGGTCCGGAATGACA
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CAAGGGCTTCTTTGAGCTGTTCCCTTCTCTAAGCCATAATCTCTTAGTGGATTGAGCCCTCTTGGAAAGAC
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TTGGAACCAGAAAAGTTGGGGAGCAGGTGGAGGAGGCCACACTCCTGGGAGCTGATGGTTTTAAATCTGGT
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TCCCAGCATTTTGGGAGGCCAAGGCAGGTGGATCACTTGAGGTCAGAGTTCAAGACCAGCCTTTGCCAACA
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TTGGGGCCACCGGGATTCAGCCTGGGCACAGGAGCCAGGTCTTCTTCAAAAAAGGCCGGGTGTGGGTCTGC
TGTGTCCCCCTTTGAGNNNNNNNNNNNNNNNNN
Table3 3422
ACGTCGGAAATAAACTATTTCCAGACTGATACTTCAGTGTTTCCTTTTATTTTTTATAGCGTATA
AAAGTTTCTGAGGTGGGGGCAATATTTTGATAAGAGTAGTCGTTTAGCTAAAACTAAGTAACATTAAGGAA

Table 6
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ACACATTGTCTGGTCTTATATGTTAGTGCAACACACAGTATATATATGTTTAAGCAACTATTGGTGAGTGG
GGGCTACAGGGATTACCAGGAGATGATCTCTCAATTCAGAATGGCATTATTGTGACAAAGGCCACCAGATA
CCCACTCCTCATAGACCCACAAACTCAAGGCAAAACTTGGATTAAATCAAAGGAAAAAGAAAATGATTTAC
AGGTGACATCTCTGAACCATAAATATTTTCGCACACACTTGGAGGACAGCCTTTCCTTGGGCCGACCCCTT
CTCATTGAGGACATTCATGAAGAGCTGGATCCAGCCTTGGATAATGTATTAGAAAAGAATTTTATTAAATC
TGGCACCACTTTCAAGGTGAAAGTCGGTGATAAGGAATGTGATATCATGGATACATTTAAACTTTACATTA
CTACGAAGTTACCAAATCCTGCCTTTACCCCAGAGATTAATGCTAAAACGTCAGTCATTGATTTCACTGTT
ACAATGAAAGGACTTGAGAATCAGTTACTAAGGAGAGTCATTCTAACAGAGAAACAGGAGTTAGAGGCTGA
GAGGGTTAAACTTTTGGAGGATGTTACTTTTAATAAGCGGAAGATGAAAGAACTTGAAGATAACCTCCTCT
ATAAATTAAGTGCTACAAAAGGCTCATTGGTAGATGACGAATCTCTCATTGGTGTACTTCGAACTACCAAG
CAGACAGCAGCTGAGGTAAGTGAAAAGTTGCATGTGGCTGCAGAAACTGAGATCAAGATCAACGCGGCTCA
GGAGGAGTTCCGGCCCGCAGCCACCCGCGGAAGCATCCTCTACTTCCTCATCACAGAGATGAN

Table3 3423

CCACGCGTCCGGCTGCGGGAGGCGCGGCGCGGGGGGGGTCGGGTGCGCGGCGGGCCGCCCCTCCC
CCTGCCAGGTCCGGGCGGGTGCCTGGAGCCGCCAGAGTTTCCGCACCCGGGAGGGAGATGCGGCCGGGGCT
CAGGCTCCTTGCAGTTGTAATTTAGATTCGAGAAGTGGTTTATCCTTTGACTGGAAAAGAAAAGTAGCTGC
AGTATTCCCCCAGCACTTGCTGAGAGCATGCCGTATGCCAGGCTGTGAGGCTCGAGAGACAAGCAGTGGAA
GAGTTGCGGCCTGTTTCATCTCTGGATTGTAAATCTGAGCCTCCTTCTGGCCCCTGGAAGGGGACAGCATC
ACGATGGAATGATTCCTAACCAGCATAATGCTGGAGCCGGGAGCCACCAACCTGCAGTTTTCAGAATGGCC
GTGTTGGACACTGATTTGGATCACATTCTTCCATCTTCTGTTCTTCCTCCATTCTGGGCTAAGTTAGTAGT
GGGATCGGTTGCCATTGTGTGTTTTGCACGCAGCTATGATGGAGACTTTGTCTTTGATGACTCAGAAGCTA
TTGTTAACAATAAGGACCTCCAAGCAGAAACGCCCCTGGGGGACCTGTGGCATCATGACTTCTGGGGCAGT
AGACTGAGCAGCAACACCAGCCACAAGTCCTACCGGCCTCTCACCGTCCTGACTTTCAGGATTAACTACTA
CCTCTCGGGAGGCTTCCACCCCGTGGGCTTTCACGTGGTCAACATCCTCCTGCACAGTGGCATCTCTGTCC
TCATGGTGGACGTCTTCTCGGTTCTGTTTGGCGGCCTGCAGTACACCAGTAAAGGCCGGAGGCTGCACCTC
GCCCCCAGGGCGTCCCTGCTGGCCGCGCTGCTGTTTGCTGTCCATCCTGTGCACACCGAGTGTGTTGCTGG
TGTTGTCGGCCGTGCAGACCTCCTGTGTGCCCTGTTCTTCTTGTTATCTTTCCTTGGCTACTGTAAAGCAT
TTAGAGAAAGTAACAAGGAGGGAGCGCATTCTTCCACCTTCTGGGTGCTGCTGAGTATCTTTCTGGGAGCA
GTGGCCATGCTGTGCAAAGAGCAAGGGATCACTGTGCTGGGTTTAAATGCGGTATTTGACATCTTGGTGAT
AGGCAAATTCAATGTTCTGGAAATTGTCCAGAAGGTACTACATAAGGACAAGTCATTAGAGAATCTCGGCA
TGCTCAGGAACGGGGGCCTCCTCTTCAGAATGACCCTGCTCACCTCTGGAGGGGCTGGGATGCTCTACGTG
CGCTGGAGGATCATGGGCACGGGCCCGCCGGCCTTCACCGAGGTGGACAACCCGGCCTCCTTTGCTGACAG
CATGCTGGTGAGGGCCGTAAACTACAATTACTACTATTCATTGAATGCCTGGCTGCTGCTGTGTCCCTGGT
GGCTGTGTTTTGATTGGTCAATGGGCTGCATCCCCCTCATTAAGTCCATCAGCGACTGGAGGGTAATTGCA
CTTGCAGCACTCTGGTTCTGCCTAATTGGCCTGATATGCCAAGCCCTGTGCTCTGAAGACGGCCACAAGAG
AAGGATCCTTACTCTGGGCCTGGGATTTCTCGTTATCCCATTTCTCCCTGCGAGTAACCTGTTCTTCCGAG
TGGGCTTCGTGGTCGCGGAGCGTGTCCTCTACCTCCCCAGCGTTGGGTACTGTGTGCTGCTGACTTTTGGA
TTCGGAGCCCTGAGCAAACATACCAAGAAAAAGAAACTCATTGCCGCTGTCGTGCTGGGAATCTTATTCAT
CAACACGCTGAGATGTGTGCTGCGCAGCGGCGAGTGGCGGAGTGAGGAACAGCTTTTCAGAAGTGCTCTGT
CTGTGTGTCCCCTCAATGCTAAGGTTCACTACAACATTGGCAAAAACCTGGCTGATAAAGGCAACCAGACA
GCTGCCATCAGATACTACCGGGAAGCTGTAAGATTAAATCCCAAGTATGTTCATGCCATGAATAATCTTGG
AAATATCTTAAAAGAAAGGAATGAGCTACAGGAAGCTGAGGAGCTGCTGTCTTTGGCTGTTCAAATACAGC
CAGACTTTGCCGCTGCGTGGATGAATCTAGGCATAGTGCAGAATAGCCTGAAACGGTTTGAAGCAGCAGAG
CAAAGTTACCGGACAGCAATTAAACACAGAAGGAAATACCCAGACTGTTACTACAACCTCGGGCGTCTGGT
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TGATTTCCTTTTGAGTAATTTTTTAAAGCTCTCATTAGAGAGCAGTACAGTGTGAATTAGTCAAGTTTAAG
AGGTCACCCACGCAAAAGGTTAAACCCAGGAATAAATTAACATGTTAAAGTCCCGTCCGCCCTGTAAAACA
GCACTCCAATGGGTAACTTCCTGATAAACATCAGTTTCTCTGTTTTTAAAACAAGAATTGAGTAAGAACAG
AGATTAAAGTAACAAATCCGTAGTATGATTTCTGAGCTCCCTTGTTCTCCTTCTTCAAGGGAGCAGAGCTC
TTCATCTGCAGGGAGCATTTCCCCCCAAAAAAGGCAGCTTTGGAGGGCACGGGATTTATTTGAAAGGGCTT
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GTTTACGAAGATCTGATTGCTCTTGATTTTCTTGACAAAAATAAAATGAGACACACACATAGCAAAATTCT
TTAAACACGAATGGTTGTCTTCTCCCTATAATCAACCATTTAATTTGGTTTCAAGAAAACAAATACATATG
TTCCTAATATATTTAGATGTATTCAATAAACATTGTTAATTAAAAAATTTGTGTTCATTCTAACCAAACTG
GAATACATCCATAGTGATATGACTTTCACAGAAGTTTATATGTAGATTTCCAGATTTTATCCAGCTTAGCC
TTACAGGTAGGAAGGCATCCTCGTGTTCTAAAGAGATGTCTGCTGCCCTCGTTTTAAAGGCCTGAAGCTTC
TTGGCTTATCCGAN

Table3 3426

NNNNCTCTGTGCTGCGAGTGGCTAGCTGGGCAGAGCCCTGGGGGCGCGGTGCTGCCGCCTCCAGG
TCTCCGCCCCGTGTGTGCGCCCTGCACTTAGGGATCCCTCCCTCACTGCCCCGGTACTCACAAGCTTCTCG
GCCCCGACCTTCGCCCTGGGAGGTTCTGGCCAGGTGCCGGGAGGGGCGCTGTGTCGAGGGCGATCCCCCCA
AAGCAGCGTCCCGTGCTAAAGAAACAGAGCCTCACTCTGTCACCTAGGCTGGAGTGCAGTGGTGCAATTAT
GGCTCACTGCAGTTTCAACCTCCCAGATTCCAGTCATCCTCCTGCCTCAGCCACCCAAGAAGCTGGGACCA

Table 6
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CAGGGATCACATGCAGTGGTCTAAGGAAGAAGAAGCAGCAGCCAGAAAAAAAGTAAAAGAAAACTCAGCTG
TGCGAGTCCTTCTGGAAGAGCAAGTTAAGTATGAGAGAGAAGCTAGTAAATACTGGGACACATTTTACAAG
ATTCATAAGAATAAGTTTTTCAAGGATCGTAATTGGCTGTTGAGGGAATTTCCTGAAATTCTTCCAGTTGA
TCAAAAACCTGAAGAGAAGGCGAGAGAATCATCATGGGATCATGTAAAAACTAGTGCTACAAATCGTTTCT
CAAGAATGCACTGTCCTACTGTGCCTGATGAAAAAAATCATTATGAGAAAAGTTCTGGTTCTTCAGAAGGT
CAAAGCAAAACAGAATCTGATTTTTCCAACCTAGACTCTGAAAAACACAAAAAAGGACCTATGGAGACTGG
ATTGTTTCCTGGTAGCAATGCCACTTTCAGGATACTAGAGGTTGGTTGTGGAGCTGGAAATAGTGTGTTTC
CAATTTTGAACACTTTGGAGAACTCTCCGGAGTCCTTTCTGTATTGTTGTGATTTTGCTTCTGGAGCTGTG
GAGCTCGTAAAGTCACACTCGTCCTACAGAGCAACCCAGTGTTTTGCCTTTGTTCATGATGTATGTGATGA
TGGCTTACCTTACCCTTTTCCAGATGGGATCCTGGATGTCATTCTCCTTGTCTTTGTGCTCTCTTCTATTC
ATCCTGACAGGATGCAAGGTGTTGTAAACCGACTGTCCAAGTTACTGAAACCTGGGGGAATGCTGTTATTT
CGAGACTATGGAAGATATGATAAGACTCAGCTTCGTTTTAAAAAGGGACATTGTTTATCTGAAAATTTTTA
TGTTCCAGGAGATGGT
Table3 3427
NNNNNNNNNNNNCGGAAGTCTTCTAGAATTAATTAACGCGGGGGCTGATGCCATTTTCAGCCTCA
GCACGCCTGCACCCAGGCGCTCATTAAAACAGCATGTTGCTCCCCACTGCCTCGTGTTGTCTGTTGGCGCG
CTGTCGGGGTTCGAACCGATACAAGAACCTTCCACCTACCTGGTGCTTTGGCCTCATCTATAAGCTTTTCC
ACTGTCCTGAAACAAGATAGAGAATCTGAGCGGCCAGTCATCTGCCCTAAGTGCTGCCGCCGAAGACTGAA
TGTCCTGGAAAGTTTGCTGTCACATCTCCATTATGACAAAAGCATTGTGCCGAACAGATGAAAAAATGCAT
TGTCAACGGAATCTTTTATGTTTGTTTGTCTTCCTTTAAGCAACATTGCCTTACTTGTTATAAAAGATAAA
TAAATATTTGTTCATTTCAAAAAAAAAAAACACCCAGCATAACACACAACAAAAACGTTTGTTGGCCGCGC
ACGAGCGACCCCGAAAAAAAGGCTTTCTACAACCCAACTCGTTGGGGGGCCCAGCGGCACCCAAAGATGAA
TATGGCGACACGTGCCCACACAGCGGGTCCCAAGAGAACCCGTGCCGAGCCACTGGGCGCTGGTTTCCCCC
CAAATAAAACGCCCGGGGGACCACGGGCCGTTCTGGACACACTCAGAGGGGCTCCGAGCGCCAAACGGGCT
ATCAACACGGGGCCAGGAGCTGAAAACCGCCCCGCGNNNNN
Table3 3429
GCGTCCGCGCGCTCGCCTCGGAACTTGCTGACTGCGCGGCCGGGAGGAGCCGAGCCGGGCGGGCG
GCGGCGGCGGGAGGCTACAGCGCGCGGGGGTCTCCCGCGTCCCCTCCGCCTCGCCGGGAGCTCGCGCCCTC
GCCCAGCCGAGCTCCCACCCCCGCTTTTTTCCGAAGGCGCTGGGCGGCGCCACCCTCCGGCCGGAGCCCGG
CACTGCACAACCCCCTCCGACTTTCAATGTTCCACACTCCCCGGCCAGAGCCTCCTCGGCTTCTTTTTTTC
CCTCCCCCCCCCTTCCCCCCCCCACAGCTGCCTCCATTTCCTTAAGGAAGGGTTTTTTTCTCTCTCCCTCCC
CCACACCGTAGCGGCGCGCGAGCGGGCCGGGCGGGCGGCCGAGTTTTCCAAGAGATAACTTCACCAAGATG
TCCAGTGATAGGCAAAGGTCCGATGATGAGAGCCCCAGCACCAGCAGTGGCAGTTCAGATGCGGACCAGCG
AGACCCAGCCGCTCCAGAGCCTGAAGAACAAGAGGAAAGAAAACCTTCTGCCACCCAGCAGAAGAAAAACA
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TATACTTGGTCCACCGGGTTCTGTATATGAAGGTGGTGTGTTTTTTCTGGATATCACATTTTCATCAGATT
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ATCTGTCTGGACATCCTTAAAGACAACTGGAGTCCCGCTTTGACTATTTCAAAAGGTTTTGCTGTCTATTTG
TTCCCTTTTGACAGACTGCAACCCTGCGGATCCTCTGGTTGGAAGCATAGCCACTCAGTATTTGACCAACA
GAGCAGAACACGACAGGATAGCCAGACAGTGGACCAAGAGATACGCAACATAATTCACATAATTTGTATGC
AGTGTGAAGGAGCAGAAGGCATCTTCTCACTGTGCTGCAAATCTTTATAGCCTTTACAATACGGACTTCTG
TGTATATGTTATACTGATTCTACTCTGCTTTTATCCTTTGGAGCCTGGGAGACTCCCCAAAAAGGTAAATG
CTATCAAGAGTAGAACTTTGTAGCTGTAGATTAGTTATGTTTAAAACGCCTACTTGCAAGTCTTGCTTCTT
TGGGATATCAAAATGTATTTTGTGATGTACTAAGGATACTGGTCCTGAAGTCTACCAAATATTATAGTGCA
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ATTAAACCCAGATCTATTTCTGAGTATGTGGTTCATGCTGTTGTGAAAAATGTTTTACCTTTTACCTTTGT
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AATAAACATGCTCCTGAAGGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACACCAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAACGAACCACAGAAAAAGACAGAAACAACAAGAAAAGACATAAGAAAGAAACAAG
AAGAAACAAAAGAGGGGGGGGGGGGCGGCATAAGAATAATACGCCAGGGGGGGCAGGCACGTAGGTCGGGA
CAACGCACTATATTAGGAAGAGAGGGGGCGCCCACAAGGAGGGGGGCATTCAAAATAACAACGAGAGGCGC
CGGGCGGGAAAACACACGCNNNNNNNNN
Table3 3430
NNGAGGACACTTGGGACTTGCCTGGCGACTTTGGCCGGACTTTTGCTAACTGCGGCGGGCGAGAC
GTTCTCAGGTGGCTGCCTCTTTGATGAGCCGTATAGCACATGTGGATATAGTCAATCTGAAGGTGATGACT
TCAATTGGGAGCAAGTGAACACCTTGACTAAACCGACTTCTGATCCATGGATGCCATCAGGTTCTCTCATG
CTGGTGAATGCCTCTGGGAGACCTGAGGGGCAGAGAGCCCACCTGCTCTTACCCCAACTTAAGGAAAATGA
CACCCACTGCATCGATTTTCACTATTTTGTGTCCAGCAAGAGTAATTCTCCTCCGGGGTTACTCAATGTCT
ACGTGAAGGTCAATAACGGGCCACTGGGGAATCCTATCTGGAATATATCTGGAGACCCAACACGTACATGG
AACAGGGCAGAACTGGCCATTAGTACTTTCTGGCCTAACTTTTATCAGGTGATTTTTGAAGTGATAACTTC
TGGACATCAAGGCTATCTCGCTATCGATGAGGTGAAGGTGTTAGGACATCCATGTACCAGGACTCCTCACT
TCCTGCGGATTCAGAATGTGGAAGTTAATGCTGGCCAGTTTGCTACCTTCCAGTGCAGTGCCATCGGCAGG
ACCGTGGCAGGAGACAGGCTCTGGTTACAGGGCATTGATGTGCGAGATGCTCCTCTGAAGGAAATCAAGGT

Table 6
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GACCAGCTCCCGACGCTTCATTGCTTCATTTAATGTTGTGAATACCACCAAACGAGATGCTGGAAAGTACC
GCTGCATGATTCGCACTGAAGGAGGTGTTGGAATATCAAACTATGCAGAGTTGGTAGTTAAAGAACCACCC
GTTCCTATTGCCCCACCTCAGCTCGCCTCTGTAGGAGCCACCTACCTGTGGATACAGCTCAACGCCAACTC
CATCAATGGGGATGGGCCCATTGTGGCCCGAGAGGTGGAGTACTGCACGGCCAGTGGGAGCTGGAATGACC
GGCAGCCAGTCGATTCCACGAGCTATAAAATTGGACACCTTGACCCAGATACAGAATATGAGATTAGTGTG
CTCCTGACCAGGCCAGGGGAGGGTGGCACTGGCTCTCCTGGTCCAGCTCTCAGGACAAGAACAAAGTGTGC
TGATCCCATGCGAGGCCCAAGAAAACTAGAAGTAGTGGAGGTCAAATCTCGGCAAATCACTATCCGCTGGG
AGCCATTTGGATATAATGTAACTCGTTGCCACAGTTATAATCTCACTGTCCACTACTGTTACCAAGTTGGA
GGACAAGAACAAGTGCGAGAAGAAGTAAGCTGGGATACAGAAAATTCACACCCTCAACACACGATCACTAA
CCTGTCACCATACACCAATGTCAGTGTGAAACTGATCCTCATGAACCCAGAGGGCCGGAAGGAAAGCCAAG
AACTCATAGTGCAGACAGATGAAGACCTCCCAGGTGCTGTTCCCACTGAATCCATACAAGGAAGTACCTTT
GAAGAGAAGATATTTCTTCAGTGGAGAGAACCAACTCAAACATATGGTGTAATCACTTTATATGAGATCAC
CTACAAAGCAGTCAGTTCCTTTGACCCAGAAATAGATTTATCCAATCAGAGTGGAAGAGTTTCAAAGCTGG
GAAATGAAACCCATTTTCTGTTTTTTGGACTGTATCCGGGGACCACATACTCCTTTACCATCCGAGCTAGC
ACAGCTAAGGGTTTTGGGCCTCCAGCAACAAACCAGTTCACCACCAAAATATCAGCACCCTCTATGCCAGC
TTATGAACTTGAGACACCTTTGAATCAAACTGACAATACCGTGACAGTCATGCTGAAACCTGCCCACAGCA
GAGGAGCACCTGTCAGTGTCTATCAAATAGTTGTTGAGGAAGAACGTCCTCGAAGAACTAAAAAGACGACA
GAAATCTTAAAGTGCTACCCAGTGCCAATTCACTTCCAGAATGCTTCTCTGCTGAACTCACAGTACTACTT
TGCTGCAGAATTTCCTGCAGACAGCCTCCAAGCTGCGCAGCCTTTTACAATTGGTGATAATAAGACATATA
ATGGATACTGGAACACTCCCCTTCTCCCCTATAAAAGCTACAGAATTTATTTCCAAGCTGCTAGTAGAGCC
AATGGGGAAACCAAAATAGACTGTGTCCAAGTGGCCACAAAAGGAGCTGCCACTCCGAAACCAGTCCCAGA
ACCCGAGAAACAGACAGACCATACAGTTAAAATTGCTGGAGTCATCGCGGGCATCTTGCTGTTCGTGATTA
TATTTCTTGGAGTTGTGTTGGTAATGAAGAAAAGGAAACTGGCCAAGAAGCGGAAAGAGACCATGAGCAGC
ACCCGACAGGAGATGACTGTGATGGTGAACTCAATGGACAAGAGCTATGCTGAGCAGGGCACAAACTGCGA
CGAGGCTTTCTCATTCATGGACACGCACAATCTGAATGGGAGATCTGTGTCTTCACCATCGTCCTTCACAA
TGAAAACAAATACACTGAGCACATCGGTGCCTAATTCCTATTACCCAGATGAAACCCACACAATGGCCAGC
GATACCAGCAGCCTGGTGCAGTCCCATACTTACAAGAAGCGAGAGCCGGCCGACGTGCCCTATCAGACTGG
GCAGCTCCACCCCGCCATCCGGGTGGCAGACCTCCTTCAGCACATCACACAGATGAAGTGTGCGGAGGGCT
ACGGCTTCAAGGAGGAATACGAGAGCTTCTTTGAAGGGCAGTCTGCACCATGGGACTCGGCTAAGAAAGAT
GAGAACAGAATGAAGAACAGATACGGGAATATCATTGCATACGATCATTCCCGAGTGAGGCTGCAGACAAT
AGAAGGAGACACAAACTCAGACTATATCAATGGCAATTATATCGATGGTTATCATCGACCCAATCATTACA
TTGCTACCCAAGGGCCAATGCAGGAAACCATCTATGACTTCTGGAGGATGGTGTGGCACGAAAACACTGCA
AGTATCATCATGGTGACCAATCTTGTGGAAGTGGGAAGGGTCAAATGCTGCAAATACTGGCCAGATGACAC
AGAGATATATAAAGACATTAAAGTTACCCTAATAGAAACAGAACTACTGGCAGAATATGTGATAAGAACAT
TTGCTGTTGAAAAGAGAGGTGTGCATGAAATCCGAGAGATCAGACAGTTTCACTTCACTGGCTGGCCGGAT
CATGGGGTCCCCTACCATGCCACCGGCCTGCTGGGATTCGTGCGGCAAGTCAAGTCCAAGAGCCCGCCCAG
TGCAGGCCCACTGGTGGTGCACTGCAGTGCTGGTGCAGGGAGGACTGGCTGTTTCATCGTCATTGATATCA
TGTTGGACATGGCCGAAAGGGAAGGGGTCGTAGACATCTACAACTGCGTCAGGGAGCTGCGGTCACGGAGG
GTGAACATGGTGCAAACAGAGGAGCAGTATGTGTTTATCCACGATGCGATCCTGGAAGCCTGTCTTTGTGG
GGACACCTCTGTGCCTGCTTCCCAAGTTAGGTCTCTGTATTATGACATGAACAAACTGGATCCACAGACAA
ACTCAAGCCAGATTAAAGAGGAATTCCGGACGCTAAACATGGTGACACCAACGCTGCGAGTAGAGGACTGC
AGCATCGCACTGTTGCCCCGGAACCATGAGAAAAACCGGTGCATGGACATCCTGCCCCCAGACCGCTGCCT
GCCCTTCCTCATCACCATCGATGGGGAGAGCAGCAACTACATCAATGCTGCCCTCATGGACAGCTATAAAC
AGCCTTCAGCTTTTATAGTCACCCAGCATCCTTTGCCAAACACAGTGAAAGACTTTTGGAGACTGGTCCTG
GATTATCACTGCACATCCGTAGTTATGCTAAATGATGTGGATCCTGCCCAGTTGTGTCCACAGTACTGGCC
AGAAAACGGAGTACACAGACACGGCCCCATCCAGGTGGAATTTGTCTCTGCTGACCTGGAAGAGGACATCA
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TTCCTGGGCTGGCCGATGTACAGGGACACACCAGTGTCTAAGCGCTCCTTCTTGAAGCTCATTCGCCAGGT
GGACAAGTGGCAAGAGGAATACAATGGCGGGGAAGGCCGCACCGTTGTGCACTGCTTGAACGGGGGAGGCC
GCAGTGGGACGTTCTGCGCCATCAGCATCGTATGTGAGATGCTCCGGCACCAGAGAACCGTGGATGTCTTT
CACGCTGTGAAGACACTGAGGAACAACAAGCCCAACATGGTCGACCTCCTGGATCAGTACAAGTTCTGCTA
CGAGGTGGCCCTGGAATACTTGAATTCTGGCTGATGGTGTAAACAGCTCTGCAAACAATCCCTTTCATACC
ACAAAGCCAAGACGTTCCATGGTATTTGTGCAAAAGAGATGAAGACTTCTCAATATGCTTATTTTGCTTTG
CATAATTGGCTCTTTTTAAGAGCCCAAGAAAGTGTTTCTAAAATTGCTTGCACTGCCCAATCCCAGTAATG
CTGCTGCCTGACAGAAACACACACACAGCCACAGTTGCCAAATCCCGTACTCCTTGCCACCGGCTTCCTAG
AGCAGCGTAGACAGCTGGTAAACTGAAGAGCACAACTATATTCTTATGAAGGAATTTGTACCTTTGGGGTA
TTATTTTGTGGCCCGTGACCCTCGTTATTGTTACAGCTGAGTGTATGTTTTTGTTCTGTGGAGAATGCTAT
CTGGCATTATGGTAATATATTATTTTAGGTAATATTTGTACTTTAACATGTTGCATAATATATGCTTATGT
AGCTTTCCAGGACTAACAGATAAATGTGTAATGAACAAAGATATGTTGTATGAGTCGTCGTTTCTGTCAGA
TTTGTATTGTTTCCAAGGGAAAAGCTTGGGGGAGGACTCAGTTCACAAAATGCAAAACTCAACGATCAGAT
TCACGGACCCAGAGCTTTTCCATGTGTTTATATTGTAAATATTTTTGATTTCATCAAATTATTTATTCATT
AAAAGAAATTTTTGTGAAGCACAGTGAGTGACAATCATTTTTCTTAAGGCCTGGAAACGATTTTCTGTATG
ATGTTACTTTATGTGAATTCTCATCTCAATAAATGATGACCCGTN

Table 6
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Table3 3431

NAGAGTGGAGCGGCCGCCGGAGATGCCTGACGCATCTGTCTGAGGAGCGGTCAGTGACGCGATGG
AGCGGGCAAGGAGACAGGGTCTGGCTATGTGCCCAGGTTGGAGTGCAGTGATGCAGTTATAGCTCCCTGTA
ACCTCAAACTCCTGGATCAATCTAGACTCCTGCCTCAGCCTCCCAAGTGCCTGTTAGTACAGGCTTGAGGG
ATCGCTTACACCTGAGACGAACTACAGAACAGCACGTACCAGAGGTGGAAGTCCAAGTCAAACGCAGAAGG
ACTGCCTCACTGAGCAACCAAGAGTGTCAGTTGTACCCGAGGCGTTCTCAGCAGCAGCAAAGTACCTGTGG
TGGATTTCCAGGCTGAACTGAGGCAGGCATTCTTAGCTGAGACACCAAGAGGTGGTTAAAGCCATATGGAG
TAGCGAGGAATCTGATTCCAAGCAAAAAACCAGGTTAGAGCTAATGCAGCAATGATCAAGAATAAAGAATC
ATTAAAGAATGGGGTGTGGGGGTCTCTTAATTATCAGTGACACATTAATTTTTTTCCTTAGAAGCTTCAAT
ACAATAAACACATTGAGAAAGTTTAAGAAAGTTTGTGGAGGGACCTTAAAATTTTCTGCCGTGAACTTTCG
GTCATGTTCTGTATTCCAGTATGTAGCGAAGGGTTCAGTAAGTGCATTGGGGTTTTAATCTCTAAAATATT
CACTATAAAGGCTCTGATACCTGTATGATGTTTTAAATTCATTGGGAGGGACATTTCGGCGCAGGTTGGGA
ACGTTATAATAGGTGTTTAGTAAAATTCATTGGAGCGGTCAGTGACGCGATGGAGCGGGCAAGGGATCGCT
TACACCTGAGACGAACTACAGAACAGCACGTACCAGAGGTGGAAGTCCAAGTCAAACGCAGAAGGACTGCC
TCACTGAGCAACCAAGAGTGTCAGTTGTACCCGAGGCGTTCTCAGCAGCAGCAAGTACCTGTGGTGGATTT
CCAGGCTGAACTGAGGCAGGCATTCTTAGCTGAGACACCAAGAGGTGGTTAAAGCCATATTGGAGTAGCGA
GGAATCTGATTCCAAGCAAAAACCAGGCTCCATCTACTCTTTGAAGCTTCTGCCCAGCTTGCATTGTTTCT
AGGAGAACCTGCGTCATACCTTTATCTATAGCCTTCCCCTAGGTCTTCAGAAGCATCAAGTTTTAACTGTG
GACATTGGATTTGGTGGAACAGCAATCATGACTGTTGGCAAGAGTAGCAAGATGCTGCAGCACATTGACTA
TAGAATGAGATGTATCCTGCAAGATGGCCGAATCTTCATTGGCACCTTTAAGGCTTTTGACAAGCATATGA
ATTTGATCCTCTGTGATTGTGATGAGTTCAGAAAGATAAGGCCAAGAAGCGAAGCAACGAGAGTGGAGCGG
CCGCCGGAGATGCCTGACGCATCTGTCTGAGGAGCGGTCAGTGACGCGATGGAGCGGGCAAGGGATCGCTT
ACACCTGAGACGAACTACAGAACAGCACGTACCAGAGGTGGAAGTCCAAGTCAAACGCAGAAGGACTGCCT
CACTGAGCAACCAAGAGTGTCAGTTGTACCCGAGGCGTTCTCAGCAGCAGCAAGTACCTGTGGTGGATTTC
CAGGCTGAACTGAGGCAGGCATTCTTAGCTGAGACACCAAGAGGTGGTTAAAGCCATATTGGAGTAGCGAG
GAATCTGATTCCAAGCAAAAACCAGGCTCCATCTACTCTTTGAAGCTTCTGCCCAGCTTGCATTGTTTCTA
GGAGAACCCGCGTCATACCTTTATCTATAGCCTTCCCCTAGGTCTTCAGAAGCATCAAGTTTTAACTGTGG
ACATTGGATTTGGTGGAACAGCAATCATGACTGTTGGCAAGAGTAGCAAGATGCTGCAGCACATTGACTAT
AGAATGAGATGTATCCTGCAAGATGGCCGAATCTTCATTGGCACCTTTAAGGCTTTTGACAAGCATATGAA
TTTGATCCTCTGTGATTGTGATGAGTTCAGAAAGATCAAGCCAAAGAATGCGAAGCAACCAGAGCGTGAAG
AAAAGCGGGTTTTGGGTCTGGTGTTGCTGCGTGGGGAGAACTTGGTATCCATGACTGTGGAGGGGCCACCC
CCCAAAGATACTGGCATTGCTCGGGTACCACTTGCTGGAGCTGCTGGAGGCCCTGGGGTTGGTAGGGCAGC
TGGTAGAGGAGTACCAGCTGGTGTGCCAATTCCCCAGGCCCCTGCTGGATTGGCAGGCCCTGTCCGAGGAG
TTGGGGGACCATCCCAGCAGGTAATGACTCCACAGGGAAGAGGCACTGTAGCAGCTGCTGCTGTTGCTGCG
ACTGCCAGTATTGCTGGAGCCCCAACACAGTACCCACCAGGACGGGGCACTCCGCCCCCACCCGTCGGCAG
AGCAACCCCACCTCCAGGCATTATGGCTCCTCCACCTGGTATGAGACCACCCATGGGCCCACCAATTGGGC
TTCCCCCTGCTCGAGGGACGCCAATAGGCATGCCGCCTCCGGGAATGAGACCCCCTCCACCAGGCATTAGA
GGTCCACCTCCCCCAGGAATGCGTCCACCAAGACCTTAGCATACTGTTGATCCATCTCAGTCACTTTTTCC
CCTGCAATGCGTCTTGTGAAATTGTGTAGAGTGTTTGTGAGCTTTTTGTTCCCTCATTCTGCATTAATAAT
AGCTAATAATAAATGCATAGAGCAATTAAACTGTGAAAAAAAAAAAAAAAAAGTCGACGCGGCCGCGAATTT
AGTAGTAGTAGAANNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN

Table3 3433

ACCGGAAGCAGCGAATGGAAGAGATGCGGCAGCAGCTTCACAAGGGGCCCCAATTCAAGCAGGTT
TTTGAGATCTCCAGTGGAGAAGGGTTTTTAGACATGATTGATAAAGAACAGAAAAGCATTGTCATCATGGT
TCATATTTATGAGGATGGCATTCCAGGGACCGAAGCCATGAATGGTTGCATGATCTGCCTTGCCGCAGAGT
ACTGTTTGCATTAATAAATTAAAGCTCCATAGGGTCTTCTCGTCTTGCTGTGTCATGCCCGCCTCTTCACG
GGCAGGTCAATTTCACTGGTTAAAAGTAAGGGACAGCTGAACCCTCGTGGAGCCATTCATACAGGTCCCTA
ATTAAAGAACAAGTGATTATGCTACCTTTGCACGGTTANNNN

Table3 3434

NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
ATATGATGTCAGAATTTGTTGCTAATTTGCCACAGGAGCTGAAGTTAACCCTGTCTGAGATGCAGCCAGCA
TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
TATTCGCAATAGACAAAGTGAAGCCGCAGACAGCAGTCCTTCAGAATTAAAATACTTAGGCTTGGATACTC
ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC

Table 6
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TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table3 3436
NNCACCCAGCTCCTTCAGCTGAGCGTACCATCCAGCAGTGTTGTGAAAATATTCTGCTGAATGCT
GCCTGGGTAAAGCGAGATGGTGAGAGCATCCACCAGTACCTCCTTCAGCGGAAGGCCTCACCACCCACAGT
GTGAATCCAGAGGTGCCGCCATTGGCGGTTCTGCTGCTTCGCCGCAGGGATAAGGTGGAGCTACCGAACAG
CTGATTCATATGCCAAGAATTTGGAGTCTTCTTTCAAACCAGTGGGGGTTGGACAATGAATGTAGTTAACT
GGTTCCTGCTCACACTCCAGAATTAAATTCTATACTGGAATATCCTGTTGCCTGGATCACGTCTTCCTGTT
TCTTGGTTTATTCTCTTATTCTGGTGCACCACATCCTCCAGTAGTTTCCCAACCGCAGCCCCAGCGCTCGA
ACCCAGCTCCGCCTCTTCCCGGGGGCGTCCCATCGTGCCCCGCGCCGGGCTCCTAGGGTTGCCGGGCACCT
CCCGCCTCAATTAATTCTAGAAGTACT
Table3 3438
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
ATATGATGTCAGAATTTGTTGCTAATTTGCCACAGGAGCTGAAGTTAACCCTGTCTGAGATGCAGCCAGCA
TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
TATTCGCAATAGACAAAGTGAAGCCGCAGACAGCAGTCCTTCAGAATTAAAATACTTAGGCTTGGATACTC
ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table3 3440
CCCACGCGTCCGCTGTTTTAAGGAAATAGATCAACTTCCTAAAACATCAAATCGAGATACTTTGG
TCATAATCAAAGTTTTACTCAAACTTTTTAAGGTTTTGCCAAGGAAGGGGTACAGGAAAATCAGTCAGATA
CTTTTGGAAGATTAGAGAAATCAGAAAGGGTGGGGAATGAAAGAGCCTAGTAAAGAAGTCCCAGTCTGCAA
TGAAAGCAGAGAATTCTGATGAAGAATAGATCTGACTTCTTTCATTTAGGACCCAACTTACCATATCTGAT
TTATTTCTAGGTAACACTGGAGCTGACTCCCTGGGAAGAGAGGCCAAATGTTACAATGAACTTAATGGATG
CACCAAGATATATGACCCTGTCTGTGGGACTGATGGAAATACTTATCCCAATGAATGCGTGTTATGTTTTG
AAAATCGGAAACGCCAGACTTCTATCCTCATTCAAAAATCTGGGCCTTGCTGAGAACCAAGGTTTTGAAAT
CCCATCAGGTCACCGCGAGGCCTGACTGGCCTTATTGTTGAATAAATGTATCTGAATANNNNNNNNNNNNN
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNGGGGGGGGCCCGTCCTTTTTTTTTAAAAAAAAAACC
CCCCCCCCCCCCCCCGGAGGGGAAAAAAAAAAAAAGAACCCCGGTGGGGGGGAAACCNN
Table3 3441
NNNCACCCACGCGTCCGCTCGTCGCTCGCTCCTTGACGGCTGACCGACACTGGGTCTGAGGTGTA
AGCGCTTTCCAGGCCCTTCCCTGGGGCTTGGAGGGGAATGGCGCAAAGGACTTTTCTTACAAGCAGAGCCA
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CTTCACCTGAAGAGTGGAAAAATTCAAGCAAAGAGTTTCTCAGGAAATGACCAAATAAAACATCTGGAGTA
AGTCAGCAGGATTCACAGTGACTCCCCCCAACCAGCTGGTGGTGTTTCTCTCTGAAAGCAGCGCTGGTACC
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AGGACTCCGCTGCCATCTGACAATTACAGACAATCCAATTGTCCTCATCCTTGAGGACTCTGCTGCCATCT
GACAATTAGAGACAGTCCAAAACATGCCACACTTTGATCCTAAACACATTCCTGGCTTTGGTCACTTTTGA
AAAGTCCCTGAGTTATGAGAAATCAATAATAAGAGTGTTCAAAACCTGAACACTCTTTTTAGAAATACCTG
CTGGAACTACATATATGATTTATGGGGTACTGTCTTGTAGTGTCTGCGAAAGTAGAACCATCTAACCTGGA
ATGATCATAGGCAACAATGACCAAAAATGGGGCATCTTGATATACCTAAAGTACTTTATTGTGCCCACCAT
TGGCAAGAGCTGGGTTTAGAACCGGACATGTTAATTAAGAGACTGCTTCACTGGGCCTAAAACTCTAAGAA
TCCTGAAGAAAGCTCCTCTCACAGTAACACGGGTTTGCACATTGTTAAAATAGAGTTCCATTGACCAGACA
CCATTTCAGACGGAAGACCCNNNNNNNNN
Table3 3443
NGTAGCCATCCTGTTAAATTTGTAAACAATCTAATTAAATGGCATCAGCACTTTAACCAAAAAAA
AAAAAAAAGGGGGGCCCGCCCCACTCCTTCCCCTTTCGGATTCCCGACGCTGTGGTTGCTGTAAGGGGTCC
TCCCTGCGCCACACGGCCGTCGCCATGGTGAAGCTGAGCAAAGAGGCCAAGCAGAGACTACAGCAGCTCTT
CAAGGGGAGCCAGTTTGCCATTCGCTGGGGCTTTATCCCTCTTGTGATTTACCTGGGATTTAAGAGGGGTG
CAGATCCCGGAATGCCTGAACCAACTGTTTTGAGCCTACTTTGGGGATAAAGGATTATTTGGTCTTCTGGA
TTTGGAGGCAATCAGCGGACAGCATGGAAGATGTGTGCTCTGGCTCGGATAAGAGATGGGACATCATTCAG
TCACTAGTTGGATGGCACAAGGCTCTTCACAGACGCATCTGTAGCAGAGTGGAACTTGTACTAACTTATGA
TAGAATGTATCAGAATAAATGTTTTTAACAGTGTTAAAAAAAAAACAAAAAAAAAAAAAAAAACACCCCGG
GCCTCCATGTGCCGGGGTCGCGGACACACAGGGGAACCGACAACGCGGGCCACCAGGGTAAACAACAGACG

Table 6
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GAAAAACATGACACAACGGTTTACGAGATAAGAAAGGAGGGAAAACACAGTGCAGAGAGACCACACATAAT
GGGACAGCACACAATACACATCACAAAAGCGCCCCGGGATTAAACCCCGTGCCCAATTAAGAGTAAAAACG
CGCCGGCACAACGCCGAGCGAGAACAAAAACGACAACGCGCGACACAAACACAAAGCGAAGAAAGACATGA
CGAAGCACCATCGACACGCAAACACACCACAAGCAATACTGAAAAACACCACACACAAGAGTACACTGCGA
CACCACGCCACCTGACACAAGGCCGAGAGATAAGAGAACGATGGGGTGGAAGTAGAGCGGACGAGAGGCTG
TGGAAAAACGACTAGAAAGTGAATCGAACAGAAGGAAGACTAGAGAAAGATGCGTATCGGCTGAAAAGATA
AGCTGATGAGGAAGAAAGCACCGAGAGAGCGACGGAGGAGGAAGCGTCGACTGCGGAGGCGAGAGGAAGAG
GAAAGAATAGGACCAGTGCCGAGGTATAGGGAGGAGGGCATACTAATAACAAAACATACTATAATCCAAAC
ACAACACATACACTACATTAACCACACTTACTACATAACCAATACACATCAACAAACAATCAAGAGAGAAT
AAAAATAAAATACTAACAAAATTAAAAACAAAGCAAAACAATAAAAGCCTACAATCTAACACACAAGAGAA
ACATAACCACTAAATCACTACAAACACACACAGAATAACATCAAACTACATAAAAATCAATAATATCAATA
CACTATAAGAN

Table3 3444

ACATTTCCAAAGTCAAGAGTCAAATAAAAAAATCCCATGGAATTTGGAGCCTATTTAGAACTCAA
AATAATGAGAATGCTGCAAATCAAAACTTGTGACATCCCACTAAAGCTGTTCTTAGAGGGAAATCTATCCA
ACACACTAAATGCTTACATTAGCAAAGAAGAAAGGCTAAAATGAACGAGCATCCAAGTTAACATGTTAGAA
AAGGAGCAACAGAGAAGACTCAATAAAGTAAAAGGAAGGAAACAATAAAGATAAGATTAGAAATCAATGCA
ACAAGAAAACAAAGATAAATGCTGGAGAGGATCTTGGTTTTCTGAAAAGACAAATTAATGGGTCTCTTGGC
AAGACTGAGAAAGGAAAAAAGAAGGCACAAACACAGTAGGATGTAACCACTCAAAAGTATCATGACCTGTT
TCTTCCCATCACGTGGACNN

Table3 3445

NNACTGGGAAATATATAAGGTGCCAGTGCCCAACTCATTCTCATACTTACTCCCAAGATGGCTGT
TTCAAATATTAGATATGGAGCAGCAGTTACAAAGGAAGTAGGAATGGACCTAAAAAACATGGGTGCTAAAA
ATGTGTGCTTGATGACAGACAAGAACCTCTCCAAGCTCCCTCCTGTGCAAGTAGCTATGGATTCCCTAGTG
AAGAATGGCATCCCCTTTACGGTTTATGATAATGTGAGAGTGGAACCAACGGATTCAAGTGCCAACTACCT
CAGGAACCGGGAGTGAAACTACTGGGGTTGCCATTTTTGACTATGAACACTTGAAAGTAAAAATTGGCGTC
ACTTCGAGAGCCATCAAACCCACACTGGGACTGATTGATCCTCTGCACACCCTCCACATGCCTGCCCGAGT
GGTCGCCAACAGTGGCTTTGATGTGCTTTGCCATGCCCTGGAGTCATACACCACCCTGCCCTACCACCTGC
GGAGCCCCTGCCCTTCAAATCCCATCACACGGCCTGCGTACCAGGGCAGCAACCCAATCAGTGACATTTGG
GCTATCCACGCGCTGCGGATCGTGGCTAAGTATCTGAAGAGGGCCGTCAACAGCACTGACAAATGAAGAAG
AAGAATGAGTCTCAGGGCACCTTCCTGGAGTGGCCCTCGCCATCCAGGGACCAGCGCGTTGCCTCCCCCGG
CGCTTTTACATCACATGAGCAGCTGACAGCGTATTTATTATGCCTTTGCTGAAACAGTTGATGAGAAATAT
GTTTCCCTTCAGTTTTCATTTAGAAGACAAGGCGTCGTTTGAATAACTTGCCTGATTTTTCTTCCTACCGA
GTAGCATTTCTTTTTTTTTCACCATATCTTTCCCTAAGGCAGCTCCTTATTCTGTAGGAATTGCCAATGTT
GATGTGTTATTGTTAGGTATTTATATCATTCACAGGGCTGTCAGAAATCCCGATGATCTTGAAGCAAGGTC
TCATATGCACTTGGCAAGTGCTTTTGCTGGCATCGGCTTTGGAAATGCTGGTGTTCATCTGTGCCATGGAA
TGTCTTACCCAATTTCAGGTTTAGTGAAGATGTATAAAGCAAAGGATTACAATGTGGATCACCCACTGGTG
CCCCATGGCCTTTCTGTGGTGCTCACGTCCCCAGCGGTGTTCACTTTCACGGCCCAGATGTTTCCAGAGCG
ACACCTGGAGATGGCAGAAATACTGGGAGCCGACACCCGCACTGCCAGGATCCAAGATGCAGGGCTGGTGT
GGCAGACACGCTCCGGAAATTCTTATTCGATCTGGATGTTGATGATGGCCTAGCAGCTGTGTGGTTACTCC
AAAGCTGATATCCCCGCACTAGTGAAAGGAACGCTGCCCCAGGAAAGGGTCACCAAGCTTGCACCCCGTCC
CCAGTCAGAAGAGGATCTGGCTGCTCTGTTTGAAGCTTCAATGAAACTGTATTAATTGTCATTTTAACTGA
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GTGTGCATAACTTACCTGTTACCAGTATAGGTGGGATATACATTTATCTGTGGCAGGAAATTCCCCAAAAG
CTCAGAGTCCAGTTCCTTCCATAAAACAGGCTGGACAAATGACCACTATGTTAGACCCCCAGGCTCGACTT
CAGGGGTCAGTGTTCCTGTCCCAAACCCAACAGAATACTCTGCCTCTGGTTCATGTAGCAAAATGAGCAAA
AACTCAGTATCTATCAACAGTGTGAATTATATTTCCTATGCCTAGTAATTCACTTCATGTCTAAAAATTAT
TTGATAGAACACTAGGCACCAGGTACATACAAGAAGCTGGAAGATGTTCTGGAGCACTTTTCTAATATTAA
AGATTTGAGGCAAAAAAAAAAAAAAAAAAATGGGGCGGCCGGCCGAGAAATTTAAAATTGGGGGGGGGGCCG
GATAAATGAAGGGTATGGTCGAGACAGGGGGAGGTGGGTTACACAAAACGGGAGAGGTGGAACCCAGGGGG
GGGTTCAGGTGAAAACNNNNNN

Table3 3447

NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNCTTTTTAATTTTTTATTAAAAATGAAAGAAACACA
GCTAAACAATTTATTTACAATTGCACAAGGTTTGAAACAGCTATCCTATTCCTGTTAAAGCTTCACATTTA
AAAATGTCTACATGATATGTGCTTGTACAAGGCTTGAGTATCAACCACAAATGTGACTTTAGCAGCTTTAT
TGCATAATGATCCACATAACGCTGCATTATTTGCTTAGTTTAGCCTACATCATAAAGTGCTATTCATAGAT
GGGAAATTAACAGCCTGCTAAACACTGAAGTTCTCCATGATATTTGCTACTTGAGTTGAGGGTAAAAAGCT
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GGCCTAAAAGTTTTGGTTACCCTGTTAAAACATGTCAAAAGCATTCCATAAATGATTACTGCTACAATGCA
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GTACACAGTCATTGTGATCTTAGTTATCATTTCTAAGTAATTAAATTTGTATTTTTACTTGCTTATATTAG
AAATGCTTATTACCAATGAGAAACAGAAAATGCCACATAAGTGAACATTTAAATGTTACAAAAATTTATAA
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Table 6
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GTAATAATTGGGCCAAAAATGAAAATCACAAAACACAGTAAGGGGGTAAAAGAATAAATATGACTTTTAAT
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GAAGAGAATCATAATAAATACTTTTGTATCCCCCCCACCATAAGGAAAGTTTCAGCAACACCAGCTGACAG
AAATAAATTAGATATCCTGTACATAAAGTAAAAGACAGTCCAGTTGCAAAGTTAACCACTTCAGTATTAAC
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AACAACATAGTCTTCAAAAGAAGTCTGAGCTGCAGGTCTAAAGCTCTTCAAAGATTCTGTGGCTTTCTGTA
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GCGGACGCGTGGGTGACTCC
Table3 3448
NATGGTATATCTCTCCATTTATTTACACTTTGTTTGATTCCTTCATTAGGGTTTTGTAGTTTTCA
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Table 6
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TCCAGCCCTGTGTAATCCCCTCCACTTGAGTGTGGCAGGACTTGGGACTCATTTATAATGAATAGAATAGA
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TGCAAATGCCCCGGATGACTTTCACTCTTCCCTATGCTTTGCAAAATATTGGCTGCTTTATGTAGTGCTCT
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Table3 3450
GGATCTTCGGCAAGACTCACGTCTCCAACAACCAAGCTCCCCAAAGTCCTGACCTCAAGCAATCC
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AAGTGTTTACATTTGGCGTGGACAAAGCTGGCAGATGACGTAGAAAGTAAAAAGTTGCCTCTTCAAAGTTT
CCCTTCTTGTTAAAGAATAAATCATAAATGTTAGAAACAATAGTTTCTTTTAAAGGACTACTTACTTCAAG
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Table3 3451
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CCTTTTCCACATCCCGGCAAGCTAAATATACTCGAGCTCCTGTATTAGCTCCTGTGACCACAACTACTTTC
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Table 6
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CAGAAGGAAGGGCAGAAGGAGGAGCAACAGCGGGAACATGAGCTCAACCATCTCTGCCGGCTGCAGCGGCA
CCAGAGCGGGatgCTCCAGCCGGACGCg
Table3 3454
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Table3 3455
NNNAGTTTCAAGAAGAGTGACTGTCTCAGTGCCGAGTGCCTCAGCAGCTTCTCCACATGCTCTTC
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Table 6
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AAGGACTGCAGGCTTATATCCGCAAGCATGTCCAGCTGTCCCATGAGTTTGAGTCACTGGTGCGCCAGGAT
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Table3 3458
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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Table3 3460
NNNNNNNNAAGCGGCCGCGCGGCAGCTGCGGGGCGTGGGGGTGGTGGTGGCGGCGGCGGTGGTGG
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TCGGCATCAGGCTTCCCTTATCCGGTCCTTTTCAGTGGAGAGGGAACTACAGGATAACAGCAGTTACCCCG
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CCAAGCTCTTTCATTTCAGGTTCTGTGGCCAAGAACTTCTTCACCAAATCAAAGCTTTCCATTCCAGAACT
CTCCTATATATGGGAGCTTAGTGATGCTGACTGTGATGGAGCCCTGACCCTGCCTGAGTTCTGTGCTGCGT
TTCATCTCATTGTGGCTCGGAAGAACGGCTACCCATTGCCTGAGGGCCTCCCTCCAACTCTGCAGCCAGAA
TACCTGCAGGCAGCTTTTCCTAAGCCCAAATGGGACTGTCAATTATTTGATTCTTATTCTGAGTCACTGCC
GGCAAATCAACAACCTCGTGACTTGAATCGGATGGAGAAGACATCTGTTAAAGACATGGCTGACCTTCCTG
TCCCTAACCAGGATGTAACTAGTGATGACAAACAAGCTTTGAAAAGTACTATCAATGAAGCCTTACCAAAG
GACGTGTCTGAGGATCCAGCAACTCCCAAGGATTCCAACAGTCTCAAAGCAAGACCAAGATCCAGATCTTA
CTCTAGCACCTCCATAGAAGAGGCCATGAAAAGGGGCGAGGACCCTCCCACCCCGCCACCTCGGCCACAGA
AAACCCATTCCAGAGCCTCCTCCTTGGATCTGAATAAAGTCTTCCAGCCCAGTGTGCCAGCTACCAAGTCA
GGATTGTTACCCCCACCACCTGCGCTCCCTCCAAGACCTTGTCCATCACAGTCTGAACAAGTGTCGGAGGC
CGAGTTACTCCCACAGCTGAGCAGAGCCCCATCCCAGGCTGCAGAAAGTAGTCCAGCAAAGAAGGATGTAC
TGTATTCTCAGCCACCATCAAAGCCCATTCGTAGGAAATTCAGACCAGAAAACCAAGCTACAGAAAACCAA
GAGCCTTCCACTGCTGCAAGTGGGCCAGCTTCTGCGGCAACCATGAAACCGCATCCAACAGTCCAAAAGCA
GTCTTCCAAACAGAAGAAGGCCATTCAAACTGCTATCCGCAAAAATAAAGAGGCAAACGCAGTGCTGGCTC
GGCTGAACAGTGAGCTCCAGCAGCAGCTCAAGGAGGTTCATCAAGAACGAATTGCATTGGAAAACCAATTG
GAACAACTTCGTCCGGTCACTGTGTTGTGACCCCCCCATGGTTCAAGTGACAGTGGGTGACCTTGTCTGCC
AAGATCTTTCTTTTGAATGTTTTGAACCCAACTACTTGTCATAGATGTTTGACTGTGTCAAAAGCTGTGAG
CAGCAAAATATAATCCATATGACCTTTTAAAAAAAAAAAAAAAAAACTCGAGGGGGGGCGCCGGTACCCAA
TTCGCCACTATAGNN

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Table3 3462
ACATTAGAATAACCTTTTCAAAAATATGCAATTTCTGTCCTTGAAGCCTAGGGAGTGGGATGCAG
CCACATTAAGACTCATGATTAAGCACCTTATTGTGTTAATCATGATATAAAGAGCCTTGTATAACACAAAA
GCCGAGATCGCGCCACTGCACTTTAGCCTGGGTGACAGAGTGGGATTCTGTCCGCTCCCGCCAAAAAAAAA
GGAGAAGGTCTACCCTGCAAGAGGTGGAGAGAGAGCTAGTGGCTTGGATCTTTGGGGTGCACATGGGAATT
GTGGGCCCACAGTGTCTGGTGAAAGAAGAGGAGGCAGGAGGCCTTTTTCTTCTCATATGGGGGTTGAGTGG
TGGGGGTGCTACN
Table3 3463
NNAAGGAAAAAAGAGCAACAGATCCAGGAGCATTCACCTGCCCTGTCTCCAAACAGCCTTGTGCCT
CACCTACCCCCAACCTCCCAGAGGGAGCAGCTATTTAAGGGGAGCAGGATCCCCCGAGCTGCAGGACTTGG
CACGGGGATACAACTCTGGAGTCCTCTGAGAGAGCCACCAAGGAGGAGCAGGGGAGCGACGGCCGGGGCAG
AAGTTGAGACCACCCAGCAGAGGAGCTAGGCCAGTCCATCTGCATTTGTCACCCAAGAACTCTTACCATGA
AGACCCTCCTACTGTTGGCAGTGATCATGATCTTTGGCCTACTGCAGGCCCATGGGAATTTGGTGAATTTC
CACAGAATGATCAAGTTGACGACAGGAAAGGAAGCCGCACTCAGTTATGGCTTCTATGGCTGCCACTGTGG
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GTCTGGAGAAACGTGGATGTGGCACCAAATTTCTGAGCTACAAGTTTAGCAACTCGGGGAGCAGAATCACC
TGTGCAAAACAGGACTCCTGCAGAAGTCAACTGTGTGAGTGTGATAAGGCTGCTGCCACCTGTTTTGCTAG
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CCCTAACCAAGTTCCTTGGCCATGCAGAAAGCATCCCTCACCCATCCTAGAGGCCAGGCAGGAGCCCTTCT
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TTAACCAAAGAAGCTGTACTCCGGGGGGGTCTCTTCTGAATAAAGCAATTAGCAAATCATGTAAGAATAAAA
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GATGGTGTAATTCGACCCGAGAAATTCCGGAACCGGAACTCTGAGGGGTGACAAGTTTCCCCAAGAGCGGC
GGATTAAGGCTTGGGCGGACAAANNNNNNN
Table3 3465
agctcactataggagtcgacccacGCGTCCGCACCACCTGGCCGTGGACACCTGTGTCAGCATGT
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GTGGGAGGCTGGGAGTGTGAGAAGCATTCCCAACCCTGGCAGGTGGCTGTGTACAGTCATGGATGGGCACA
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CCTCATGCTGCTTCGCCTGTCAGAGCCTGCCAAGATCACAGATGTTGTGAAGGTCCTGGGCCTGCCCACCC
AGGAGCCAGCACTGGGGACCACCTGCTACGCCTCAGGCTGGGGCAGCATCGAACCAGAGGAGTTCTTGCGC
CCCAGGAGTCTTCAGTGTGTGAGCCTCCATCTCCTGTCCAATGACATGTGTGCTAGAGCTTACTCTGAGAA
GGTGACAGAGTTCATGTTGTGTGCTGGGCTCTGGACAGGTGGTAAAGACACTTGTGGGGGTGATTCTGGGG
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AAGCCTGCTGTGgACTTTTTTTTTTTTTTTTTTTGTaAtgacctaaaagctttaacagttcttccatctga
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GACAAAGCTTCCAACCAGGTACCTCGGcgcgccga
Table3 3466
NNNNNNNNNNNNNNNNNNCTCCCCCCCTTCTATGGGGGGGGGTTTTTTCCCCCCGGGGGGGGGGG
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CCTGAACCTTATAGAACAGATTGTGTAAAGCAGCCAGGGCCACAGGAGTGAAAGAAGATGGAGACCCGCCG
TCTGGTCATGATATGAGAGGCCTGGACAGTGACCTCACGAACAAAAAGAAATGATCCTCTTCAGTCCAAAG
TGTGTTTGTGAGACTAATGACTCCATGCCCTCACATGGCCACTCCTCTTACAGCAGACAGCTTCACTCCGC
TCCAGCCCCGGTACTGCGGTCTGTGGTAATTTACATGGGAATGGGATGAGATCTAGTAGTTTTAGATCCAA
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GTGACAACTTCGATTCTTTTCAGGAGGTGCTGTCTTAAGATAGAAGAAAGGGATCAAGCTCTTATCTTAGA
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GGGTAAGGGGAAGAGGCCCAGGGACTTCTTCCTTGTCTGACACTCTCGGGACTAGCATTCTGGCAGGTCTT
ACAAGTTATAATACAAAACCATCAGATAAATTCTAATCACGACTGTGTAGTTCCTCCCCAAAATAATTTTC
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AGTACCTTGAAATCAGATAATCTCAACATCCAGAAATAGCCTTTGATTTGTTCTTTCTCTGATGTCTTGTG
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TCCATGTCCACCATTCACCACCAATTTTAAACTTTCTGTGTGCTATCAGGAGGCAATTAGAGTGTTCGTGT
TCACATGCAATTTCATATTCGGGGATCAGATCCACCAACTCGTGGACAAACTGTACCACTTCCTCATGCCA
GGGCACGTGGGCCATGGTAAGACTGCTTGCTGAACTTTCTCCGCAGTAGGTAACGCCCTTCACTTCGATGA
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Table 6
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GTCAGTCTGTAGACAGTTCGTTGTTGCTTGACTGCCAAGGCTTTTAAACTGTCAAGGAATCTCTGCCAGAA
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CACTGGTGGAGTAGCTTCAAAAACCTGTTGATCTCTGGGTACATTATTGGTTCTCCCACGAGGGACAATGC
ACAGTGCTTTACCGTCATTCCTTCTTCAAAGCGTTCTGCTTTGACGCCCGGTACTCCTTTAAACTGCTTAA
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GTGCCCACGGGGTTGGTGTGGTGCCGCCAACAGAAGACACATTTATTAGCACACGCCAAGCTCGGGGTGGT
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ACTTTGTCCACCTGCAAAGCTTCACCCCCGAGTGGCTCCCAATCAACTGATAACCTTGTTTAGTAAGGGCT
TCTCGGAGAGCAGGAGTTATCATAGCTCTTCTTTCACCATCTTCATTCCTCCCCATGTTCCTGAACAAACC
AGACTTCTCTTCCTGCTGTTCCTTTTCTCTCTTTTCTTTCTTCACATGATCCATAATTTTGCCCAAATCTT
CAACATCAACAATGGAATTTAGGCTCTGATGGTCCTCACCACCAAACTCTTCTTCACTGGAGCTCTCAAAG
GGTTCTTCCTCCTCGGTGTCTCTATGATGCAATTCATCCTGCTCATGAGATCCTTCCTCCCTCTCCTCTGA
GCCATGTTGGTGAGATTCACATTTGCCTTTCTTGCAGTGGCCGCCACAGGACTTCTTTCTCTCCCCTTTCT
GAAGTGCCTGCAGCTGGGAGATGAACTTGGTCTTCCATGCTCTGAAGTCGGCCTCAATGCTGCCGTGCTTG
CTTTTAACCACGTCGCAGTCGCCCTCCCCTCGACTCATCACACGATGCGCGCCAAGCATCCAGAGCCACTT
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TGTGGGCAGCCATGACACTGCCAGGCCGGTCCTGATTGGTTCAGAGGACGAAGAGGTCGGACGCNNN
Table3 3467
NNNNNCCCGGCCGGGGGGGCAAGATGGCGGCGGCAGTAGGGGTTCGTGGCCGGTACGAGCTGCCG
CCTTGCTCCGGCCCAGGCTGGCTCCTCAGCCTTTCCGCCTTGCTGAGTGTGGCGGCACGAGGGGCCTTCGC
CACCACGCACTGGGTCGTCACGGAGGACGGGAAAATCCAGCAGCAGGTGGATTCACCAATGAACTTGAAGC
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CAACCTGATTGTACTAAAATTCTAGAACTTCCATATAGTATACATGCTTTTCAGCACTTGAGAGGTGTACA
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CAAGATGTTCCTCTTGTCAACTTGGCCAACCTTTTGATTCATTACGGCCTTCATCTTGATGCCACTAAGCT
GCTACTTCAAGCTTTGGCCATCAATAGCTCTGAGCCTCTGACCTTTTTGAGCCTGGGAAATGCTTACCTTG
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AGTCACTGGATGCTGCTGAAGAAGAGCCCTCTGAGAGAGGAACAGAGGAGGACCCTGTATTCTCTGTTGAG
AATTCAGGGAGGGACTCAGATGCCCTTAGACTTGAAAGTACGGTGGTTGAGGAGAGCAATGGTTCTGATGA
GATGGAGAATTCAGATGAAACCAAAATGTCAGAAGAAATACTGGCTTTGGTGGATGAATTTCAACAGGCAT

Table 6
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GGCCTTTGGAAGGCTTTGGGGGTGCACTAGAGATGAAAGGGCGGCGTCTAGACTTACAAGGAATACGGGTG
CTGAAGAAAGGTCCCCAGGATGGAGTGGCCAGAAGCTCTTGCTATGGAGACTGCAGAAGTGAAGATGATGA
AGCAACAGAATGGATTACATTCCAGGTCAAACGTGTAAAGAAACCCAAAGGAGATCATAAGAAAACTCCTG
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AAGGTGGCATCTCCTGGGCCACAAGGGCTACTAGACTGGAAGACCAGGAAAGTGCCATAGACATAATGTAA
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GCCTCTGTGTACCCTTCAACACCATTCTCTGAACCAACCATGCTCATGTTTTTACCTCAGTGCCTTTGCAC
ATGCTATTCCCTCTGCCTGGAATGCCCTGTGCCCCCTCTGCCCTCTGCCGTGCTAAAATATCACTCATCCT
TAAACTTCAAAATCAAGTGCCATCTCTTCCTTGTTACCTTCAGGCAGAATTAGTTACTCTTTCCTCTGTGC
AATTGTTCTATATCTTCGCTCTAGCTCTTTTCCTGTTGTATTGTAATGATTTGTTTATGTTTACCTTCCTT
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TCAGCCCCTTATAACAGGTGCTCAATAAATATTTTTCAAATGAAATTATTAAATGTAAAAGAAAATTAAGA
TTTTTTGTGAAAATTATGGCTTATTTAAGTTATTAATTTAAACAGAGTTAATTTGAAACTCTTCCAAAACT
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AAATTCCTATAATATAAAAAGCGCTATACAGAACTAAAGTTCTCCTTCCTGCCTATTCCATTATAACTCCT
TCAGAAAACCCTTCCCAGACAAGACAGTTCTGCTCTTTTCTTGGGGATTTGATGTAAGTAAAGGGCCCACA
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CTAACTTAAAAAAAGAAAAATGGAAAAAACTTAACCACATGAGGN
Table3 3469
TCGACCCACGCGTCCGGCACCGGGCGCCGCCAAGGTAGCTGTAACTGCCACCGCGATGCCGAAGG
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CCAACATTGATGTGTTGCTGTGTGAGCAGGAGGTGGTAGCAGATGAGACACCAGCAGTCCAGGCTGTTCTT
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GCTGAAACAGTATGAGAAGCAAGAGAAAAAGCTGAAGGAGCTGAAGGCAGGCGGGAAGTCCACCAAGCAGG
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TCCCAGGAGGCCCCTGAGCTCCTGAAGCGCCCTAAGGAGTACACTGTGCGCTTCACTTTTCCAGACCCCCC
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Table 6
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TCCCCCTAAACAAACAAGAGGTGACCACCTTATTGTGAGGTTCCATCCAGCCAAGTTTATGTGGCCTATTG
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TGGTTGAGGACTTGGGGCAGGAAAGGAATGCTGCTGAACTTGAATTTCCCTTTACAAGGGGAAGAAATAAA
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Table3 3470
NNNNCGCGGCCGCGTCGACNGGCTGNGAGAAGACGACAGAAGGGGGGTGACAGAGCGAGATTCTA
TCCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGCGGCCGCCTGCATACGCGGCCGCGTCGACACGGCTG
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CCGCGAGAAACTTGCATTGGAAGCTTCAGCAACCAGCATTCGAGAAACTCCTCTCTACTTTAGCACGGTCT
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CTCCACGGGCGGCAAGGCCGACGACCCGAGCTGGTGCAAGACCCCGAGTGGGCACATCAAGCGACCCATGA
ACGCCTTCATGGTGTGGTCGCAGATCGAGCGGCGCAAGATCATGGAGCAGTCGCCCGACATGCACAACGCC
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AGTCCGGCAACGCCAACTCCAGCTCCTCGGCCGCCGCCTCCTCCAAGCCGGGGGAGAAGGGAGACAAGGTC
GGTGGCAGTGGCGGGGGCGGCCATGGGGGCGGCGGCGGCGGCGGGAGCAGCAACGCGGGGGGAGGAGGCGG
CGGTGCGAGTGGCGGCGGCGCCAACTCCAAACCGGCGCAGAAAAAGAGCTGCGGCTCCAAAGTGGCGGGCG
GCGCGGGCGGTGGGGTTAGCAAACCGCACGCCAAGCTCATCCTGGCAGGCGGCGGCGGCGGCGGGAAAGCA
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Table 6
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TTACGTCTCCTTCACTGAAGGGCTAGAGTTTTAACTTTTAATTTTTTATATTTAAATGTAGACTTTTGACA
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Table3 3471
TCCGGGTCAGGTGGTTGGGTGACGCCCCGGGAAAGCGCTCCAGGCCGAGGGCGGGCGGCGCCGCC
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Table 6
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AAAATGAACTAAGAGCTTTTCACTTTTTGTTTGTAAGTTCTCAGAGAGTCGGGTCTGCAAGTGCTTTTGCC
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Table3 3472
NNNNNCCGAGAGGGCGGGCCAGGGCCGCACTCCGGAGACTCGCGGTTGCTACGCGCACCATGGCT
GGAGACGGAGTTTCGCTCTTGATGCCCAGCAGGCTGGAGTGCGATGGCGCGCTCGCGGTTGCCTCCCGCAC
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AAAAAAAAAAAAAAAAGCACGGCACTAAAGAAGGAGTCTCCGATCGGCACACAGGTTGAAGTGCAGGCGATG
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Table3 3473
CTATAGGGAGTCGACCCACGCGTCCGCGCTAGGCGCCTGGTTCTGCGCGTACTGGCTGTACGGAG
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ATAATAAATTACGAAGTCAGGTGTATCCAACAGCCTCTAATATGGAGTATATGACATGGGATGTAGAGCTG
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Table 6
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TGGACAGAATTTGGGAGCACACTGGGGAAGATATAGGCCCCCGACGTTTCATGTACAATCGTGGTATGATG
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AATAGAACGACAGCAGTCACAAGTCCATGACACCCATGTCCGGACAAGATCAGATGATAGTAGCAGAAATG
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ACAACCTGCAATAGGTACGAATGTCCTGCTGGCTGTTTGGATAGTAAAGCTAAAGTTATTGGCAGTGTACA
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Table3 3477
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Table3 3480
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Table3 3481
ACACTGGAGGCTGGAGCCTGCAGATGGCATGGCTCTGCGGCTCACCTTGCTGCAGTTGGTGGTGG
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Table3 3483
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Table 6
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TATTCGCAATAGACAAAGTGAAGCCGCAGACAGCAGTCCTTCAGAATTAAAATACTTAGGCTTGGATACTC
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Table3 3485
CaGGAGAtCGAGAccaTCCTGgccAACATGGTGAAACTCTGTCTCTACTAAAAAATACAGAAAAT
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Table3 3486
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Table3 3487
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
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TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
TATTCGCAATAGACAAAGTGAAGCCGCAGACAGCAGTCCTTCAGAATTAAAATACTTAGGCTTGGATACTC
ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table3 3489
NCTAAGGTGGGTATCGTCGTGGGACTTGGAAATTGTTGTTCCATGAAATCCTGCGCAGGGTCGCT
CACTACCGCCGCTGTTGCCTTCGGTGATGAGGCAAAGAAAATGGCGGAAGGAAAAGCGAGCCGCGAGAGTG
AAGAGGAGTCTGTTAGCCTGACAGTCGAGGAAAGGGAGGCGCTTGGTGGCATGGACAGGTACGCACCTCCA
TCACCCGCCTGGTTGGCTGGCGATACTCTCCGGGAAGGCCTGGACGCAGCTTGCCCACGTTGATGACGGGG
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TTCTCAGACCATTAACAAGCTCTGTGTCTCTCTCTCTACAGCCGTCTCTTCGGGTTCGTGAGGCTTCATGA
AGATGGCGCCAGAACGAAGACCCTACTAGGCAAGGTAAAAGCAACCAGACGCAAAGTCTTTGGTCCGCACT
TTGCTCTACCAGGGCCCCGCGTTCCTTACCGCCCAGCCAGTATTTATTTTGGCTCTGCTCCATGGCCAAGG
GGTCGGAAAAGTGTTTCTTGCCTTTGCTGTCCCCGT
Table3 3492
tgatctcattctcatgggcacgcagctcctgaagagttttgggcatttttttttggcaattccttc
agctgattcttggacAGAtaaagtCGttccAaCttCaccaaaGGTGTaAaTGCTCCAGGACTAACTTtgct
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GAAGTCGCGGTCATCAGGAACTTCTGGGCCTATCCCAGAAGCCTCATCTTCTAGCATAAAGTCAAATAAGC
CTCTCTGTTGAAACGGTCCAGCCCAGGAAACTTGTGCAAGCAGAAGGAGGATGATAGTGGCCTTCATGATT
TATCTCATGTATTTTCACAACCAGGGCTGGACCGTTTCAACAGAGAGGCTTATTTGACTTTATGCTAGAAG
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CCCTTCCGCTGTCAATGCCATCTTCGAGTGGTCCAGTGTTCTGATTTGGGTCTGGACAAAGTGCCAAAGGA
TCTTCCCCCTGACACAACTCTGCTAGACCTGCAAAACAACAAAATAACCGAAATCAAAGATGGAGACTTTA
AGAACCTGAAGAACCTTCACGCATTGATTCTTGTCAACAATAAAATTAGCAAAGTTAGTCCTGGAGCATTT

Table 6
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ACACCTTTGGTGAAGTTGGAACGACTTTATCTGTCCAAGAATCAGCTGAAGGAATTGCCAGAAAAAATGCC
CAAAACTCTTCAGGAGCTGCGTGCCCATGAGAATGAGATCACCAAAGTGCGAAAAGTTACTTTCAATGGAC
TGAACCAGATGATTGTCATAGAACTGGGCACCAATCCGCTGAAGAGCTCAGGAATTGAAAATGGGGCTTTC
CAGGGAATGAAGAAGCTCTCCTACATCCGCATTGCTGATACCAATATCACCAGCATTCCTCAAGGTCTTCC
TCCTTCCCTTACGGAATTACATCTTGATGGCAACAAAATCAGCAGAGTTGATGCAGCTAGCCTGAAAGGAC
TGAATAATTTGGCTAAGTTGGGATTGAGTTTCAACAGCATCTCTGCTGTTGACAATGGCTCTCTGGCCAAC
ACGCCTCATCTGAGGGAGCTTCACTTGGACAACAACAAGCTTACCAGAGTACCTGGTGGGCTGGCAGAGCA
TAAGTACATCCAGGTTGTCTACCTTCATAACAACAATATCTCTGTAGTTGGATCAAGTGACTTCTGCCCAC
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ATACAGCCATCCACCTTCAGATGTGTCTACGTGCGCTCTGCCATTCAACTCGGAAACTATAAGTAATTCTC
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ATACTGGAAACCTAACTGCAATGTGGATGTTTTACCCACATGACTTATTATGCATAAAGCCAAATTTCCAG
TTTAAGTAATTGCCTACAATAAAAAGAAATTTTGCCTGCCATTTTCAGAATCATCTTTTGAAGCTTTCTGT
TGATGTTAACTGAGCTACTAGAGATATTCTTATTTCACTAAATGTAAAATTTGGAGTAAATATATATATGT
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AAAAaataaa
Table3 3493
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
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CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
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ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
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TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table3 3494
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
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GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
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TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
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ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table3 3495
NNNGCCATGGTTGCTTCCATCTGTGGCACCTCCATTTCAACAGATGCTTCACTGTTGTCTTCTTC
TCTTGATAGTAAATTTTAGGAGACTGGGGCCACATCATTTTGTTCATCTTTGAATACTCAGTGCTTACAGC
AGTGCCTGGCATACATCAGGGGCTCAAAAATGTCCACCGGGACTTCCACTTCCAGCCAAGATGGAGGAACG
GGGGTCAGATTTACCCTCACACCTCATCCTCCTGAGTAGCTGGGACTACAGGTGCACGCCACCATGCTGGG
CTAATTCTTGTATTTTTTGGTAGAGGCAGGGTTTCACTATGTTGGCCAGGCTGGTCTTGAACTCCTGACTT
CAAGTGATCCATCTGCCTTGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCACCCGCCACCTGTTCTGT
AGTTTAATTATGTTTCTCCCCCTCAGGCATTTCTTGGTNGTATAGAGCCCACAGAATANNATCGAGTCCTT
GTCAAGAAGCATTCATCTTGCGCCTCTTTCGCCAGAAAAACAAACGTGGTTTTATTAAAGCTTTCACAGAC
CNCCGCGN
Table3 3497
ACACTGGAGGCTGGAGCCTGCAGATGGCATGGCTCTGCGGCTCACCTTGCTGCAGTTGGTGGTGG

Table 6
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TGACAGAGACTGCAGCTTGACTGTAGTGGTGGTTACCAGGAGCTCTGCCACTGCATGTCCACTAGTGACGG
GTTCGCTCCACCACCCCAGCTGGGTAGCCGCTGCTCTCACATAAGGGGTCCAATTAAAATTGCCAGGAATA
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CAAACAACTGCTGGCCAAAAATGATGAGTATTTCCCCCTCTTGCTGAAGATGTGCTCCATACAATAGTCCA
TCACATTCATCATTCATCAGTCTGGAAGTGTGCAGCCAATCATATTATCTATTACATGTTGTTCTGGCTTT
TTTTTTTTTCCAATGTCCAGCCTAAACTATAAAGTACCTCGGCCGCCACCGCGgggAGCTCCAAttgccCt
atagtag
Table3 3498
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
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CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
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TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
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ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table3 3499
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
ATATGATGTCAGAATTTGTTGCTAATTTGCCACAGGAGCTGAAGTTAACCCTGTCTGAGATGCAGCCAGCA
TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
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ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table3 3500
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
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TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table3 3502
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC

Table 6
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ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
ATATGATGTCAGAATTTGTTGCTAATTTGCCACAGGAGCTGAAGTTAACCCTGTCTGAGATGCAGCCAGCA
TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
TATTCGCAATAGACAAAGTGAAGCCGCAGACAGCAGTCCTTCAGAATTAAAATACTTAGGCTTGGATACTC
ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN

Table3 3503

NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
ATATGATGTCAGAATTTGTTGCTAATTTGCCACAGGAGCTGAAGTTAACCCTGTCTGAGATGCAGCCAGCA
TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
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ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN

Table3 3504

NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
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TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
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ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
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TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
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Table3 3505

AGCCAGCATAACCACCTCACACTGAGAACATCTGACCTTTCCCAGAACGACCGCCCACTCGACAC
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GGTTGGTAACAAACAAGGTGTGCCTGGTCTCCCTGGTAACGTCCTGCCGATAGTCCTGATTGGTCGGTGTC
TTAATCCCATCTTCCGTCCCAACTGCTAGTGGCTGAGTCCCTGGCGGGGCGCGGCGGTGGAAGGTGTCGCG
TACGGGCTTCCCGAGCTGACGTGGCTTGAATTGGGAGGGGGGCAGCTGGAGCCTCAGGCGGCAGCGCTTCT
AGGTGAGTAGGGGACGCTACCCAACTCTTCCCTCTGCGAGTCCAATAACGGTCACCCCCGCCAGAGGGGCC
GCGGGAGCTGCCCAAGCAGCTACACCGGAGTCCCCTCCTCGCCCCGCCTCTCCCGGATTCAGTCCTGGATC
CGGCCCTTCACCCGCCTCCTTCACCTACCAGGCCTAGTTCTAGTAGCCCACAAGCCTCGGCCTCTCCGGTG
GGCCTTCGGGGTCACCCTGCGCAGACTTGGACCACTTGCTCACGGTCTGTCCCCTCCCCGGTACGTTTCTC
CTCTGGGAGCGACGGGGAAAAGCGCCTAGGTCAGTCCTGTCCGCACGGCCTTGTTCCTGGAGCGGCCTGCC
TAAGTCGGCCTCCGTACGCAGCCGCTGACGTCGGAAAGAACCTGCTGGGCCCCTGTGCTCAGGCCCTAAAC
AAACTTGGTGTCCCGAAGGGGAGGCGCGACCAAAAGAAATCAAAGGTCTTTAGGGCGGAGATCACAGAATC
ATTGGAGATATTAATGCAAACGGGGGCCTGTCCAATAATCCTGCTAATGCTAATGGGTTACTGGAAAGATG
AGAAGAGAGGAAAGATCCCAACGATCCCGTCAACACGAAAATCCCAGGAATCAGAGAAATGCTGAGCCGAT
TATCAGGATTAGCAAATGTTGTTTTGCATGAATTATCAGGAGATGATGACACTGATCAGAATATGAGGGCT
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Table 6
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Table3 3506

NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
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TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
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TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
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TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
TATTCGCAATAGACAAAGTGAAGCCGCAGACAGCAGTCCTTCAGAATTAAAATACTTAGGCTTGGATACTC
ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
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TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN

Table3 3507

TGGGAAGTGAGGTGTGGGAACCCGGCGGCGGTCTGATGAATTCAGTGGCAGTGAATTGAGACCGG
AGGGAATCTGGCCCCTAGAGGCTGGTACTTGGGCCCGAAACCCCCATCTCCGGCGGAGAGACCGTCCGAGG
TAATTGTCTGCCACGAGTGCACATTCTGAAAACAGGAGATTTTAGTTCCTAAAAATGGGAAGAACCTACAT
TGTAGAAGAGACTGTTGGCCAGTATCTTTCAAACATAAATCTCCAAGGAAAGGCTTTTGTCTCTGGCCTTT
TAATAGGACAGTGTTCGTCACAAAAGGATTATGTGATTCTTGCCACTAGAACGCCACCCAAAGAGGAGCAA
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CAAATGATTTTCAAAATGCCCTGCGTAGACTAATGTTTGCTGTGGAAAAGTCTATAAATAGAAAGAGATTG
TGGAATTTCACAGAGGAGGAAGTCTCAGAACGAGTGACACTTCACATTTGTGCTTCTACAAAAAAAATATT
TTGTCGAACTTATGATATCCATGATCCAAAGAGTTCAGCAAGACCAGCAGATTGGAAGTATCAAAGTGGAT
TATCATCCTCATGGCTTTCTTTAGAGTGTACAGTTCACATTAATATTCACATCCCACTTTCTGCTACTTCT
GTCAGCTATACTCTGGAGAAAAATACAAAGAATGGACTTACACGCTGGGCCAAGGAAATAGAAAATGGTGT
TTATTTGATTAATGGACAAGTTAAAGATGAAGATTGTGACCTATTAGAAGGACAGAAAAAATCTTCTAGAG
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AGATCCACAGCCACAGTCCAGATATGTAGCGGTTCTGTAAACCTTAAGGGTGCTGTGAAATGCAGAGCTTA
TATCCACAGCAGTAAACCCAAAGTTAAAGATGCTGTGCAGGCAGTAAAGAGGGATATATTGAACACAGTTG
CTGATCGTTGTGAAATGCTATTTGAGGATCTGCTTTTGAATGAAATTCCAGAAAAAAAAGATTCTGAAAAA
GAGTTCCACGTCCTCCCTTATCGAGTCTTTGTTCCCCTTCCTGGATCCACTGTAATGTTGTGTGATTATAA
ATTTGACGATGAGTCAGCTGAAGAAATCAGGGACCATTTTATGGAGATGTTGGATCACACAATTCAAATAG
AAGATTTGGAAATTGCAGAGGAAACAAACACAGCTTGTATGAGTTCTTCTATGAATAGTCAAGCTTCATTG
GACAACACAGATGATGAACAACCAAAACAACCAATTAAAACTACAATGTTATTGAAAATTCAGCAAAACAT
AGGTGTGATTGCAGCATTTACAGTTGCAGTCCTTGCTGCGGGTATCTCCTTTCATTACTTCAGTGATTAGG
GTGAGGCACAAAGAGTTTCTTGATCATCCAGAGAACATTGACAGACAATTATGAATAATAAAGATGTTAAC
AATCCATCTGTATTTAAAACACTAGCAGCCAGATCTGCTGCCATGATGCCTATTTGGTGTGTTTCTGATTA
AAATGAAATCACAAGCTGCCTTGTTTAGCCTGCTTTACATTGTAGGTGGCCCGCATTTCCAGAAATAACGT
TATGCATCTAGATGGAAGCTGCATGTAACAAATCATTATTATCTATTTTTAAAAGCTTCAAAATGATGGGA
TATGATCATAGATTTTAGTCTTACTAATCTGAATCACATATTAATCAGGACATTAAAAACTTTAACAGAGG
CATGATGGCTCACACGTATAATCCTAATGCTTTGAGAGGCTGAGGTAGGAGCATCACCTGGGGCTGGGAGG
GAGTTGGAGACCAGCCTGGATGACATAATGAGATTCTGTCTCTTCTGGAAAAAAAAAAAAATTAGCTGGANN

Table3 3508

gtCCGGGGTGGAGGGGTTCATagTTCTCCCTGAGTGAGACTTGCCTGCTGCTCTGGCCCCTGGTC
CTGTCCTGTTCTCCAGCATGGTGTGTCTGAGGCTCCCTGGAGGCTCCTGCATGGCAGTTCTGACAGTGACA
CTGATGGTGCTGAGCTCCCCACTGGCTTTGGCTGGGGACACCAGACCACGTTTCTTGGAGTACTCTACGTC
TGAGTGTCATTTCTTCAATGGGACGGAGCGGGTGCGGTTCCTGGACAGATACTTCCATAACCAGGAGGAGA
ACGTGCGCTTCGACAGCGACGTGGGGGAGTTCCGGGCGGTGACGGAGCTGGGGCGGCCTGATGCCGAGTAC
TGGAACAGCCAGAAGGACATCCTGGAAGACGAGCGGGCCGCGGTGGACACCTACTGCAGACACAACTACGG
GGTTGGTGAGAGCTTCACAGTGCAGCGGCGAGTCCATCCTAAGGTGACTGTGTATCCTTCAAAGACCCAGC
CCCTGCAGCACCACAACCTCCTGGTCTGTTCTGTGAGTGGTTTCTATCCAGGCAGCATTGAAGTCAGGTGG
TTCCGGAATGGCCAGGAAGAGAAGACTGGGGTGGTGTCCACAGGCCTGATCCACAATGGAGACTGGACCTT
CCAGACCCTGGTGATGCTGGAAACAGTTCCTCGGAGTGGAGAGGTTTACACCTGCCAAGTGGAGCACCCAA
GCGTGACAAGCCCTCTCACAGTGGAATGGAGAGCACGGTCTGAATCTGCACAGAGCAAGATGCTGAGTGGA
GTCGGGGGCTTTGTGCTGGGCCTGCTCTTCCTTGGGGCCGGGCTGTTCATCTACTTCAGGAATCAGAAAGG
ACACTCTGGACTTCAGCCAACAGGATTCCTGAGCTGAAGTGAAGATGACCACATTCAAGGAAGAACCTTCT
GCCCCAGCTTTGCAGGATGAAACACTTCCCCGCTTGGCTCTCATTCTTCCACAAGAGAGACCTTTCTCCGG
ACCTGGTTGCTACTGGTTCAGCAGCTCTGCAGAAAATGTCCTCCCTTGTGGCTGCCTCAGCTCGTACCTTT
GGCCTGAAGTCCCAGCATTAATGGCAGCCCCTCATCTTCCAAGTTTTGTGCTCCCCTTTACCTAATGCTTC

Table 6
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CTGCCTCCCATGCATCTGTACTCCTGCTGTGCCACAAACACATTACATTATTAAATgTTTCTCAAACATGG
aAAAAAAAAAAAa
Table3 3509
NNNCGATTAATCGATTCCTAAAGATTTGGCTCGAGGCAAGATGGGGCCAGGGAGGATGAAGAAAG
AAGAAGGACTCCCCAGAAAACACGGGACTTCCCCGGAAGCTACTTGAAAAACATGACCCCTGGCCGGCCTA
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AAGTCTTCCAAGTCTTCTGGCAAAGCTGTGTTCAGGGACACGCTGTCAGAATCCACGTTATCAATGTGGGG
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ACTGTCCAACTGAAAACTATAACAAGATCATCTTTGCCCGCAAGCCTATGATGAGGATGCTCCCTACAGTT
CGCTACTGACCAACAAGGAGAAACATGCAAATGTTTTAGCCAGGGGTCCCTGCAGCCATTCCCCAAGAACG
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CTGCTCTCTGGTGGGTTTGGGCAGTCCCTGGCTCTAGTCTCTGCTGCAGATTCTCAGGACCAAAATGTGGG
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TTAACCAGGTGACAGTAAAGGGCAGGAAGGGAATACAAAGGTATCCATGGAGGTAGCACCACAGGAAGCAG
GCATCACACTTGAGGCTTGGGAACAAGGGGAAGATGCTGGACTCATTGAAAGGTGGTTGCTTGGAGAAGGG
ACATGGGGCTGAATCTCAGACTTCTGAGGTGGGGGAGTGGGGATGCCACTCAATGCAGCTGGTATCTCTGA
GCTCTGAGGAGAGTCCTGTGGGGATGGTGCCCCCTCCTCTGAATAGGGGAGATGTTTTGTTGGTGTCTCTG
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GAGTTGCCACTGCCTGGGTGAAGAAAAAGCACTGCTAGGGTTAGCAACCTGTCTGGCAAGGGACAGGAAGC
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CAGATTCCTTCTAGCTCCCCCTGGGGGCTGAGCCTATCAGGGCACAAAGCCAGAATGTGGTTTGTAGAATC
CCAGCCCCAGCATCTCCAAGCATAGGATGGATTTTGAAGCCAAGAGGGAATTAGCTCTCGGCCGGGTTCTG
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GGTTCACCCTTGCTCTGAGTTGGCCCAAGCGAGCTATGCTGAACTCTTCTCCATCTCCAAGCAGACAACCT
TTGTCTTTACATGCAAGAGGGATCCAATTATGACAGGCTGACCCAGCTGGTTTCATGTTTGGGGTTTATCT
ACTGAGTAAGGCTGACCTTACCTGAGTTTCTGTATGTGTATTTGCAAGACAGTTAATACTAATCCATCATC
CCTCACAGAGATGTAGAGGATGAGATGTAGTAACTTATAGCAGTGTCATTTGGAAAAGTTGAATTTGCCCT
ACAAGGCATGTTCTCCATTCAAGGGTCTTGTGTAAACGTTTGCAGACACAGGTGCAGCTTTGGAGAACTCA
CCTCTGGCTCTTGTGCTTTTATGTTGGGACAGCTGCCTAAATTAGGAGCTCTAGACCTGTTATTGGTTCCC
AACTGTTGGCCAGAATGAATTCTTCGAAAAATATAGGTGGTTTCCAGGGAATTTGAATGATTGTATTTTGT
GTCCATGGAACGTTTATAGACATGGAGGCAGGCAATAAATTCCTCCAATAAAAAAAAATAAAGGAGAAAAA
AAAAAAAAACTCGAGGGGGGGCCCGGTACCCAATTCGCCCTATAGTGAGTCGTATTACAATTCACTGGCCG
GCGTTTTACAACGTCGGGACTGGN
Table3 3510
ACGCGGGATACAGGAAATACGGTAAGAGCGAAACAGGTGGAAGCCAGCTCTGTGCCTGGAGGGGA
CTCGCCGCCATCTCAGGTCTCTTGGCTTTGCCAGGGCCCACCGGAGAAAACTGACGACCCGTTTCTGTAAT
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CTCCAAAAAAGCGCTGCCTCCTCGCTCCGCGTTGGGATTATCCGGAAGGAACTCCCAACGGAGGTAGTACC
ACTCTACCCTCCGCACCTCCTCCTGCATCAGCCGGCCTGAAGTCGCACCCTCCTCCTCCGGAGAAGTAGAG
AAATAAATTTCTCCCACCCTAAACCAGTCTTTGAGTGATTGCAGTATGACTCCATTTCCCTGGTGCATTCA
TATAATAGTTCACCTGGTGAAAACAATGAAGATTATTTACAATGCTACCCTGCTTTTTCTGGTGTCCTGAA
CCTGGAAGTTGTGCTTTTTAAGTCTTATGATGTAATCAGCACGATTTCACTTCCTGAATTTCGATGAATTC
TAAGACATGGGCAAGATCGGGTTGTAAGACCTCTGAGATTTAAGGCCATGCCCTGGATCATGGTGAACTTA
CCAAAGCAAACAATGCCTGTGAGATGGTCCTGCAGCAGCCAACCAGTGAACTCTTTTGGTGACATCCTGTT
CTTGTTGTATAACTTTATATTCCTATAAATCCATTAAGGCCCCAATAAAGTTTGTCTCTAAAAAAAAAAAT
AAATGTTTGGGGCTCGCCGGAGAATTTCAAACACTCCTGGGGCGCGCACCAGGAAGAAAATTCAGTTCCCC
AACGGTCTCAAGGGGTCCCCAAAGCGGGCGGTGCACACCGGTTGGCTCGCTAGCCCTCCTGCCCGCCAGGC
ACGGGCTCGNNNNNNNNNNNNN
Table3 3513
ACGCGGGATTTCAGGTCAGCCACAGCTTCCCACACCCGCTCTACGATATGAGCCTCCTGAAGAAT
CGATTCCTCAGGCCAGGTGATGACTCCGGCCACGACCTCATGCTGCTCCGCCTGTCAGAGCCTGCCGAGCT
CACGGATGCTGTGAAGGTCATGGACCTGCCCACCCAGGAGCCAGCACTGGGGACCACCTGCTACGCCTCAG
GCTGGGGCAGCATTGAACCAGAGGAGTTCTTGACCCCAAAGAAACTTCAGTGTGTGGACCTCCATGTTATT
TCCAATGACGTGTGTGCGCAAGTTCACCCTCAGAAGGTGACCAAGTTCATGCTGTGTGCTGGACGCTGGAC
AGGGGGCAAAAGCACCTGCTCGGGTGATTCTGGGGGCCCACTTGTCTGTAATGGTGTGCTTCAAGGTATCA
CGTCATGGGGCAGTGAACCATGTGCCCTGCCCGAAAGGCCTTCCCTGTACCATTAACCAAATAGCGTAACT
ATTTTATGTCCACATTTCACTTCTGTATTTACAAACATATCagtAAAGAGTTAACAATGAGATGCGATCAA
ACATCCATATTATCTGTTTTGTAGACAGCAATGTagaTGATTTTGtaaTCACCTTTCAtcGGagtgACCTT
atataaAAAATAAGTCaa

Table 6
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Table3 3517
NNNNNNNNNNNNCGAGAGTCGACGAGTATCGAATAAGGCTTGAGTATCAGAATTACCTGCAGGCC
CGGGGAGATCCACTAGTTGAGCCGGGTAGGGAAAGCAGCCTAAAGCCCGGGACAGGCACACAGGCCCAGGT
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TGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTTTACTACTGAACCAATTTTCCAGAGCAGTCGCG
GCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGCGAATTAGTTCGCGCGCAGATTGCCATTTGCGG
CATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGATGCTCCTCAGACACCTAGACCAGTGGCAGAAA
TTGTACCATCCTTCATCAACAAAGATACAGAAACTATAATTATCATGTGGAATTCATGTGCTAATTTGCCA
CCGGAGCTGAAGGCAGCCCTATCTGAGAGGCAACCATCATTACCAGAGCTACAGCAGTATGTACCTGCATT
AAAGGATTCCAATCTTAGCTTGAAGAATTTAAGAAACTTATTTCGGAATTAGGCAAAGTGAAAGCCGCAGA
CAGGCAAATCCTTTCAGAAATTAAAATACTTAGGCTTGGGATTACTCAATTTCTCAAAAAAAAGAGACGAA
CCCTACGTGGACTGTTTGAGAATGTGCCTAATGGTGTACAAAACGTCTCTGTAAATATGTGAGATGAAGTA
TGTGCATTCTGTTAATTTAAGACCTAGTCTGTGAATTTACTGATGCTTGTGGTCCTATTTTTAATTTGAAT
CTTTAGGTGATTTCTGGGGGGGAAATTTGTAGGGTGGAAGAATAGGAGGTGGGTAAGAAGGGGGGGGGGAA
AATGGAAAAAAAAAATGGGGGGATATGGGAATTATCTTTTGGGAGGNNNNNNNNNNNNN
Table3 3520
GAGTCGACCCACGCGTCCGGCGGCTCCAAGATGGCGTCCATCATGGAAGGGCCGCTGAGCAAATG
GACTAACGTGATGAAGGGCTGGCAGTACCGTTGGTTCGTGCTGGACTACAATGCAGGACTGCTCTCCTACT
ACACGTCCAAGGACAAAATGATGAGAGGCTCTCGCAGAGGATGTGTTAGACTCAGAGGAGCTGTGATTGGT
ATAGACGATGAGGACGACAGCACCTTCACAATAACTGTTGATCAGAAAACCTTCCATTTCCAGGCCCGTGA
TGCTGATGAGCGAGAGAAGTGGATCCATGCCTTAGAAGAAACAATTCTTCGACATACTCTCCAGCTTCAAG
GTTTGGATTCAGGATTTGTTCCTAGTGTCCAAGATTTTGATAAGAAACTTACAGAAGCTGATGCTTACCTA
CAAATCTTGATTGAACAATTAAAGCTTTTTGATGACAAGCTTCAAAACTGCAAAGAAGATGAACAGAGAAA
GAAAATTGAAACTCTCAAAGAGACAACAAATAGCATGGTAGAATCAATTAAACACTGCATTGTGTTGCTGC
AGATTGCCAAAGACCAGAGTAATGCGGAGAAGCACGCAGATGGAATGATAAGTCCTATTAATCCCGTAGAA
GCAATATATCAACCTAGTTCTTTGGAACCTGTGATCAGCTTTTTTTTTATCAACAGCAACAACCAAGACCC
AGGGTCCTGGCCCTTCTTTTCCTCTCAGGAAACAGCTATGACC
Table3 3521
NNNNNNCATCATTGCTGACCGGCCAGGGTACTGGCCAGAGCATACGCCTTCAGAATCCCAGCCTT
CGTCGCCTTCTCCGACCCCATCACCATCCCCAGACCACACTTCCCACTCACGTACCACCTTTCTCCACCTC
TTTGGTGACTCCAAGTACTCACACAGTCATCACCCCTACCCATGCACAGATGGCCACTTCTGCCTCCATCC
ACTCAATGCCAACAGGCGCGATTCCTCCACCGACAACGCTCACGGCCACAGGGGTCCACCCACACAAGCCC
CACCAATGACGGGGACCACCATTCGGACCACCCCAAGCCCACAGCTCATTCAGCATAGCCCGGANNNNNNN
NNNNNNNNNNNNNNNNNGTCCAGAGATTTAAATGAAATCTTCGAAAGAATAAATTTGCTTTTCAGTCCACT
GTATTTTCAAAATTGATTATCACCAAGCTTGGATGAAAGCTGTGAACCACAAACCATTTGTTTATTTAATA
GAAAAAAGAATGTGTAGACCCGCGTACCTTCATAACTTCTTCAAGATACCGGGTTGAACTTCCATTTGCAT
ATGCAGTTTGN
Table3 3522
ACGCGGGGGCCCCAAACTCACCACCTGGCCGTGGACACCTGTGTCAGCATGTGGGACCTGGTTCT
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AGTGTGAGAAGCATTCCCAACCCTGGCAGGTGGCTGTGTACAGTCATGGATGGGCACACTGTGGGGGTGTC
CTGGTGCACCCCCAGTGGGTGCTCACAGCTGCCCATTGCCTAAAGAAGAATAGCCAGGTCTGGCTGGGTCG
GCACAACCTGTTTGAGCCTGAAGACACAGGCCAGAGGGTCCCTGTCAGCCACAGCTTCCCACACCCGCTCT
ACAATATGAGCCTTCTGAAGCATCAAAGCCTTAGACCAGATGAAGACTCCAGCCATGACCTCATGCTGCTC
CGCCTGTCAGAGCCTGCCAAGATCACAGATGTTGTGAAGGTCCTGGGCCTGCCCACCCAGGAGCCAGCACT
GGGGACCACCTGCTACGCCTCAGGCTGGGGCAGCATCGAACCAGAGGAGTTCTTGCGCCCCAGGAGTCTTC
AGTGTGTGAGCCTCCATCTCCTGTCCAATGACATGTGTGCTAGAGCTTACTCTGAGAAGGTGACAGAGTTC
ATGTTGTGTGCTGGGCTCTGGACAGGTGGTAAAGACACTTGTGGGGGTGATTCTGGGGGTCCACTTGTCTG
TAATGGTGTGCTTCAAGGTATCACATCATGGGGCCCTGAGCCATGTGCCCTGCCTGAAAAGCCTGCTGTGT
ACACCAAGGTGGTGCATTACCGGAAGTGGATCAAGGACACCATCGCAGCCAACCCCTGAGTGCCCCTGTCC
CACCCCTACCTCTAGTAAATTTAAGTCCACCTCACGTTCTGGCATCACTTGGCCTTTCTGGATGCTGGACA
CCTGAAGCTTGGAACTCACCTGGCCGAAGCTCGAGCCTCCTGAGTCCTACTGACCTGTGCTTTCTGGTGTG
GAGTCCAGGGCTGCTAGGAAAAGGAATGGGCAGACACAGGTGTATGCCAATGTTTCTGAAATGGGTATAAT
TTCGTCCTCTCCTTCGGAACACTGGCTGTCTCTGAAGACTTCTCGCTCAGTTTCAGTGAGGACACACACAA
AGACGTGGGTGACCATGTTGTTTGTGGGGTGCAAAGATGGGAGGGGTGGGGCCCAcgCTGgaagAgTGGAc
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cacagccaaggttgacgccgttaacaaaagcccaggctgtcctgggagcactgggaaggccagataagggc
gtgagccgaaaaaaggggagatcccctaagttgtgaaagagggattatgggagaaattaaagctcgttatt
acgggg
Table3 3523
TTTCCAGGGAGTAAAAAGGCCTTTTGGGTGGCACATAAATCTACTGCGGTGCTGCCTGCTGTGGC
GCGGGACAGCTGTTGAATTGTTGTAATTGGCTGACTCCCTGAAGTGGTGGTATTTTCTGTAGGGGTTGTTG
TCCTTGAAAACCCTGAGGAACAAACAGTTTAACTGGGAATGCCCCAGTTTGTTGGGGGGCCTGAGGCTGGC
CCCTCTTCCTGTTTCCAGACAATGGTTGCCCATCTTTATCAAATTTAGAATGACATTGATTGGCCCAATGT

Table 6
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TTTGCTTTTCCACATTTTGGACACAGGCCAGATGGCTTTTTATTTTTTGCTGTTAATAGCTTGATTTATTA
TATTCTGTTTATTTAAGCCTGGGCAACTCCTTTTCAGATGACCGATTTGACCACAATTATAACATTTTTTC
CCAAATGTTCTAACTTGTCCTCCTAGAGTGAGCCCCCTCATTGCTTGAGCCATTAGCATTGCCTTATGCAT
AGCTCCTCCAATCCCATCACAAGCCTTCACATATTCTGTAATTACATCAACTCCTGCTGGAACTTTTCCTT
TTAATGGCTTTATGGCCGACTGACATTCTGGATTTGCATTTTCATAGGCCATTAATTCTACAATAACTTTT
CGGGCATTGTCATCTGTAATAGACTTTTGAGCAGCATCTTGTAATCTTGCCACAAAGTCAGGATATGGCTC
TTTAGAGCCTTGTCTAATTGAATTAATAGGGAAAGCTGTTCCTGGGTCCTGAATTTTTCCCCAGGCCCTGA
GGCAAATAGCCCTTACTTGTTCAATAGCCTCATTCTGCATCACTGATTGTTGGTTAATGGTGCTCCAATTT
GGACCTGTTCCTAACAATTGGTCTGCGTCTATATTAACAGTGGGCTTAGTAGCCTGATTTTTTCGTACCTG
TTCTTGTACTCCATCAATCCACCAGGTTTTAAACTGTAGATACTGAGAGGATGAAAGGGAAGATTTGGCCA
AAATTTCCCAGTCATAAGGAGTAAGTCTATTTCCATGAGCAATGGAATCTAATAATGTTCTTATATAAGGG
GAGTTGGATCCATATTGTTTAACTCCTTCCTTTATATCTTTTAACATTTTCATGGTGAAAGGTTCACATCT
AGTCTCAGCTCGGGCAGGCGCTCCTACTTGAGTCTCTTCCCCGGCCTGTACCAGTTGTAAAATTACCAGGA
ACCGCCATGCCTCAAGATCGCCCTGTTTTCTGGCTTCATCAATGACTGCATGCAGTGCACCACCCTGTCCA
CTACGTGATGCTGTAGGATTAAGTCTCACAGTGGGCGGCTGAGGATACAGCGCCGCGTCCTGTGTTGCTGG
TGAATTAGACGCCATCGCTGTGGGTTGCTGGTATGGTGCCGTGCTATTTGGCACAGGACACACCGCTTGAG
GTCTGTATTGAACCTCTGAAGGAGGCCGATACTGAAGCTCGGTTGGCAGCCGGTATTGATAAACTACCAGC
GGTTGGGTCTTATTTTCTACCGGCTGATATTGTGGATACTGTATCTGAGTTGGCATTGCCGGGATAGAGAC
TCTGTCCCTTTCTACTTGATTTTCTCTTGGGGTTTGTGCTTGTCTAACCTGCGTTTGAGGTTGTAATGTTA
CAGGCATCTGAACCACGGGAGGAGGAGTTGATGGCGATCGTGGTTTAGGCTCTGATGGCCCCAATGATTCT
GGACCTCCTTCCCCCAATTTTGATGATTCAGGGTATATTATCTCCTGTAATTGACTGTAGTCAACATTTTG
CGTTGACTGAGCCATTACAGACTCTGCTACATATTTACAATGTGAACTTTCCGTTCCTTGCTGGGATTCTG
TCCCTGCCTCTTCTTCACAATCTGTTACACAGCTTTTAGGGGCATCAGAAACTGAAACAATATCTTCTCCT
GTTTGAAATGGTTCTAAAGTTGCTTTAATAATGGCCCAATCATTCCATACTGTAAGTGGGATGATTTTACC
TTCCCTATTTGCTTGTTTTAATTCTTTGCCAATTTTTTCCCAATCTTTTAGATCTAAAGTTCCCTGTTCTG
GAAACCATGGGCAGAATTGTTCTATTGTTTGAAATAGCGTAATTAGATTTTCTGTAGAAGCTCTAACTCCC
CCTCTTCTTAAAAGAATTTTAATAAAGCTGAGATAAGAGGCATATTTACTTTCAGTTTGCCCCATCGTTAC
CCTGGGTTCCTCTAAGCACACAAGCTTACCGCAAGGCTGACCGTGGACGTACTTGGGAATCTCTCGTCGGC
TGTCCTCAATGCTCACGTTCTTAGCGTACCTTCACCCTAGAGAAGGGCCCCCACGCCGGGCGCCAGATGAA
GGGGTGGCCTGCCCCTCCACACCTGTGGGTATTTCTAGTCGGGTGGGATGAGAGACGGAGAAAAGAAATAA
GACACAGAGACAAAGTATAGAGAAACATCAGTGGGTCCAGGGGACCAGCACTTAGCACACCAAGGACATGC
ACAGGCACCGGCCTATGAGTTCCCTCAGTTTTTATTGATTATGATTTTCATTATTTCAN

Table3 3525

NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
ATATGATGTCAGAATTTGTTGCTAATTTGCCACAGGAGCTGAAGTTAACCCTGTCTGAGATGCAGCCAGCA
TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
TATTCGCAATAGACAAAGTGAAGCCGCAGACAGCAGTCCTTCAGAATTAAAATACTTAGGCTTGGATACTC
ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
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TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN

Table3 3526

NACCCACGCGTCCCAGGCCCGGAACCTTCCCTGGTCGTGCGCCCTATGTAAGGCCAGCCGCGGCA
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TGCCTGGTCGGCGGCGGGTGCCCCGCGCGCACGCGCAAAGCCCGCCGCGTTCCCCGACCCCAGGCCGCGCT
CTGTGGGCCTCTGAGGGCGGCATGCGGGACTACGACGAGGTGACCGCCTTCCTGGGCGAGTGGGGGCCCTT
CCAGCGCCTCATCTTCTTCCTGCTCAGCGCCAGCATCATCCCCAATGGCTTCACCGGCCTGTCCTCCGTGT
TCCTGATAGCGACCCCGGAGCACCGCTGCCGGGTGCCGGACGCCGCGAACCTGAGCAGCGCCTGGCGCAAC
CACACTGTCCCACTGCGGCTGCGGGACGGCCGCGAGGTGCCCCACAGCTGCCGCCGCTACCGGCTCGCCAC
CATCGCCAACTTCTCGGCGCTCGGGCTGGAGCCGGGGCGCGACGTGGACCTGGGGCAGCTGGAGCAGGAGA
GCTGTCTGGATGGCTGGGAGTTCAGTCAGGACGTCTACCTGTCCACCATTGTGACCGAGTGGAACCTGGTG
TGTGAGGACGACTGGAAGGCCCCACTCACAATCTCCTTGTTCTTCGTGGGTGTGCTGTTGGGCTCCTTCAT
TTCAGGGCAGCTGTCAGACAGGTTTGGCCGGAAGAATGTGCTGTTCGTGACCATGGGCATGCAGACAGGCT
TCAGCTTCCTGCAGATCTTCTCGAAGAATTTTGAGATGTTTGTCGTGCTGTTTGTCCTTGTAGGCATGGGC
CAGATCTCCAACTATGTGGCAGCATTTGTCCTGGGGACAGAAATTCTTGGCAAGTCAGTTCGTATAATATT
CTCTACGTTAGGAGTGTGCATATTTTATGCATTTGGCTACATGGTGCTGCCACTGTTTGCTTACTTCATCC

Table 6
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GAGACTGGCGGATGCTGCTGGTGGCGCTGACGATGCCGGGGGGTGCTGTGCGTGGCACTCTGGTGGTTCATC
CCTGAGTCCCCCCGATGGCTCATCTCTCAGGGACGATTTGAAGAGGCAGAGGTGATCATCCGCAAGGCTGC
CAAAGCCAATGGGATTGTTGTGCCTTCCACTATCTTTGACCCGAGTGAGTTACAAGACCTAAGTTCCAAGA
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CTTTGTGAACTGCTTCCTTTCAGCGATGGTTGAAGTCCCAGCATATGTGTTGGCCTGGCTGCTGCTGCAAT
ATTTGCCCCGGCGCTATTCCATGGCCACTGCCCTCTTCCTGGGTGGCAGTGTCCTTCTCTTCATGCAGCTG
GTACCCCCAGACTTGTATTATTTGGCTACAGTCCTGGTGATGGTGGGCAAGTTTGGAGTCACGGCTGCCTT
TTCCATGGTCTACGTGTACACAGCCGAGCTGTATCCCACAGTGGTGAGAAACATGGGTGTGGGAGTCAGCT
CCACAGCATCCCGCCTGGGCAGCATCCTGTCTCCCTACTTCGTTTACCTTGGTGCCTACGACCGCTTCCTG
CCCTACATTCTCATGGGAAGTCTGACCATCCTGACAGCCATCCTCACCTTGTTTCTCCCAGAGAGCTTCGG
TACCCCACTCCCAGACACCATTGACCAGATGCTAAGAGTCAAAGGAATGAAACACAGAAAAACTCCAAGTC
ACACAAGGATGTTAAAAGATGGTCAAGAAAGGCCCACAATCCTTAAAAGCACAGCCTTCTAACATCGCTTC
CAGTAAGGGAGAAACTGAAGAGGAAAGACTGTCTTGCCAGAAATGGCCAGCTTGTGCAGACTCCGAGTCCT
TCAGTGACAAAGGCCTTTGCTGTTTGTCCTCTTGACCTGTGTCTGACTTGCTCCTGGATGGGCACCCACAC
TCAGAGGCTACATATGGCCCTAGAGCACCACCTTCCTCTAGGGACACTGGGGCTACCTACAGACAACTTCA
TCTAAGTCCTAACTATTACAATGATGGACTCAGCACCTCCAAAGCAGTTAATTTTTCACTAGAACCAGTGA
GATCTGGAGGAATGTGAGAAGCATATGCTAAATGTACATTTTAATTTTAGACTACTTGAAAAGGCCCCTAA
TAAGGCTAGAGGTCTAAGTCCCCCACCCCTTTCCCCACTCCCCTCTAGTGGTGAACTTTAGAGGAAAAGGA
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CCAGGGCAGGAGAGCGCAGAGCTAGGGAAAGTGAAAGGTAATGAAGATGGAGCAGAATGAGCAGATGCAGA
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ATCTGATCAAAGCACTGGGCTTGTCCAGGCTCATAATAAATGCTCCATTGAATCTACTATTCTTGTTTTCC
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TGTGTCTTTTTTTTTTTTTTTTTAAACACAGAATCACTCTGGCAATTGTCTGCAGCTGCCACTGGTGCAAG
GCCTTACCAGCCCTAGCCTCTAGCACTTCTCTAAGTGCCAAAAACAGTGTCATTGTGTGTGTTCCTTTCTT
GATACTTAGTCATGGGAGGATATTACAAAAAAGAAATTTAAATTGTGTTCATAGTCTTTCAGAGTAGCTCA
CTTTAGTCCTGTAACTTTATTGGGTGATATTTTGTGTTCAGTGTAATTGTCTTCTCTTTGCTGATTATGTT
ACCATGGTACTCCTAAAGCATATGCCTCACCTGGTTAAAAAAGAACAAACATGTTTTTGTGAAAGCTACTG
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Table3 3528

ACGTAACAGGACATCAATAAATATTAGTTGAATGGAAGATTAAATCAACAAAATGGGTGATGGAT
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CATCTGGAAATAGTGCCTTTGCGGATATAAGTTAGGTAAAACTGAAGATGAGATCATACTGGATTAGGATG
GGATCTAAGTCCAATGAAAATGTCTTCATAAAAAACAGGAAAGAACCCATAGAAACACAAGGAAGAAGGTC
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TGGAAGGAAATGAGGGATTCTCTCCTAGAACCTTTAGAGAGAACATGGTCCTGTGAACAGCTTGATTTTGG
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Table3 3529

ACTTGCCCCCAGGCCCAGATAATTTATTTAAAAACTTTTTTTGTAGAGACAGGGTCTCACTATGT
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AGGCATCAGCTGCCATGCCTGGCTACAAATCTTAATGTTTTCCCCATGGCTTCTTTTTCTGGCGTTCTTTT
CTCAGGTAATGGAAGTGGGCAGAGAATGATCCTTTCCCTAGGCTCCAGTGTGTAAGAATTAAAGAAAGAGG
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Table3 3531

NNGGCCAAGTTGTATGATAACTACTAGACCAGATTCTGATCGAGATCATTGAGCCCTTTCCTGGG
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Table 6
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ATTCTTGACAAGAAATTTCATGGGATTTTGGACCAGGGGGAGGGTGTCCTGATTATTTTCGATGAACCCCC
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Table3 3532
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Table 6
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AGTCTAGACCTTTTGGGCAGAAAGGAGCTTCAAATGGCTGTGATAAGGAATATTAAAAATTGTGTTTCTAC
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Table3 3533
NCGACCACGCGTCCGCGCGAGGCCTCACGGAGCTCGTAGTTTCCCGGACGGGCCGCTCCCGGCCT
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Table3 3534
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Table3 3536
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Table3 3537
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GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table3 3538
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Table 6
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Table 6
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GACGCCCAAGACCCTGCGGGGCCGGCCCCGCCCTCCCCGCCCTCGTGGGCTGCCCGACTCGCCGCCAGACC
CTTCCAGGACCGCCCAGAACCCTTCGGCCCAGAGGCCCAGAGGCGTTCTGGGTCGAGTGAACCCTCTTTTC
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Table3 3539
gcagtgtccgacccgagagttgcggcctgagtcaccggccccgccctccggagccggacgctgcc
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TGTTCCTGGTTAACTCGTTCTTGAAGGGCGGCGGCGGCGGCGGCGGGGGAGGCGGGGGCCTGGGTGGGGGC
CTGGGAAATGTGCTTGGAGGCCTGATCAGCGGGGCCGGGGGCGGCGGCGGCGGCGGCGGCGGCGGCGG
TGGTGGAGGCGGCGGTGGCGGTGGAACGGCCATGCGCATCCTAGGCGGAGTCATCAGCGCCATCAGCGAGG
CGGCTGCGCAGTACAACCCGGAGCCCCCGCCCCCACGCACACATTACTCCAACATTGAGGCCAACGAGAGT
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ACTCATGAACATTCTCAATAAGGTTGTGACACGACACCCTGATCTGAAGACTGATGGTTTTGGCATTGACA
CATGTCGCAGCATGGTGGCCGTGATGGATAGCGACACCACAGGCAAGCTGGGCTTTGAGGAATTCAAGTAC
TTGTGGAACAACATCAAAAGGTGGCAGGCCATATACAAACAGTTCGACACTGACCGATCAGGGACCATTTG
CAGTAGTGAACTCCCAGGTGCCTTTGAGGCAGCAGGGTTCCACCTGAATGAGCATCTCTATAACATGATCA
TCCGACGCTACTCAGATGAAAGTGGGAACATGGATTTTGACAACTTCATCAGCTGCTTGGTCAGGCTGGAC
GCCATGTTCCGTGCCTTCAAATCTCTTGACAAAGATGGCACTGGACAAATCCAGGTGAACATCCAGGAGTG
GCTGCAGCTGACTATGTATTCCTGAACTGGAGCCCCAGACCCGCCCCCTCACCGCCTTGCTATAGGAGTCA
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AGCTTTTGTTCTCTCAGTACTTGTTACCCAGCTTCTCAACATCCAGGGCCCAATTTGCCCTGCCTGGAggt
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cggccaccagtgccgtgcttgttttttggcccgctgaggcaggggtaattgccctggtgaaaaaagggcgt
gatcccgggcgcactgcctttgaaggctggggtttaaggggtcccggaggtttgggtctgggccacc
Table3 3540
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AAATGATTAAGTATTGTCTTTTGAAGATTCTGAAGCAATATCAGACATTGAGAGAAGCTCTTGTTGCAGCA
GGAAAAGAGGTTATATGGCATGGGCGGACAAATGATGAACCAGCTCATTACTGTAGCATTTGTGAGGTGGA
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ACTCAGATGCAGTCTTCACTGACAACTATACCCGCCTTAGAAAACAAATGGCTGTAAAGAAATATTTGAAC
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AAAAAGACCTTTGGAGCAAAGCTGATGACAACTTTCCAGTGAATTCTTGAAGGAAAATGATACGCAACATA
ATTAAATTTTGAGTTCTACATAAGTAANNNNNNNNNNNNNNN
Table3 3544
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CTCTTCATTCCACACTTTGACAACTCACTCTGTGGAGCCATTTGGCTCAGTCAAATTTTTATTTTTTTTTT
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TCAGGGAAATATCAAAGTGTAAAAATATATGGGATAGTGAGAAAGAAAAAGCCATCCAACACCAGCACATT
AGAAATTACTCAATCACTTCTGTCATGTGAAAAAGGGATCAGCACCCCACCCAGAGCAAACTCAAACTCTG
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CAGTATTTTTTATTTAAAAAAATTCTCTCCCACAGGACTTACTACATCCAACATCAAATCAACTTAAAAAA
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GTGTGTGCGTATGTGTGTCCAGAGGCCACTGATCCAGTCCAAGTGTATTTAGAAATTAGTTCAGTGGCTCA

Table 6
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CAAAGGTCTTAGAGGCCACTACTGCGCTGGGGAAATCCATTGAGCTTGGCTTGTTCTCTCTTGCTCTTGCC
AATGTGCACTCTGCTTACATGCACACACTCCTTAGGAAGATGCCAGTTATCTCTATTTTATGN
Table3 3546
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
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TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
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TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
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TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table3 3549
NNNNNNNNCCCTGCTCCCTGCCCTCCTGGGCAGCCAGGGCAGCCAGGACGGCACCAAGGGAGCTG
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CCTCACAAATTGAAGTGATCCCTTGCAAAATCTGTGGGGACAAGTCGTCTGGGATCCACTACGGGGTTATC
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GCAGAACTGCCCCATCGACCGCACCAGCCGAAACCGATGCCAGCACTGCCGCCTGCAGAAATGCCTGGCGC
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GTGCAGAAACAGCTGCAGCAGCGGCAACAGCAGCAACAGGAACCAGTGGTCAAGACCCCTCCAGCAGGGGC
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GACATGCCAGCTGCGGCTGGAGGACCTGCTGCGGCAGCGCTCCAACATCTTCTCCCGGGAGGAAGTGACTG
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TTGAAGGCAAATACGGTGGCATGGAGCTGTTCCGAGCCTTGGGCTGCAGCGAGCTCATCAGCTCCATCTTT
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GATGGGCAGTCGTACTTGTGCCATTCTTTATAAAATGATTTTAAANNNNNNNNNNNNNNNNNNN
Table3 3550
ACGCGGGGGCAGACACCCAGCCACTCTGAGCAGAACTGACAGCATGAAGGCACTCCTGGCCCTGC

Table 6
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CGCTGCTGCTGCTTCTCTCCACGCCCCCGTGTGCCCCCCAGGTCTCCGGGATCCGAGGAGATGCTCTGGAG
AGGTTTTGCCTTCAGCAACCCCTGGACTGTGACGACATCTATGCCCAGGGCTACCAGTCAGACGGCGTGTA
CCTTTAGTGGTTGCCAATCTGGGCATGTCTGAACAACTGGGTTATAAAACTGTATCAGGTTCCTGTATGTC
CACTGGTTTTAGCCGAGCAGT
Table3 3551
ACGAAGGCAGTTTGGAGCTGGGGCTAAGCAGCTGTCGCACGGTCAGATCATGGGCTCCACCAAGC
ACTGGGGCGAATGGCTCCTGAACTTGAAGGTGGCTCCAGCCGGCGTCTTTGGTGTGGCCTTTCTAGCCAGA
GTCGCCCTGGTTTTCTATGGCGTCTTCCAGGACCGGACCCTGCACGTGAGGTATACGGACATCGACTACCA
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AGATTATAGCTTATCTGAAATGACGAAATTTTGATTCTAATATTTTTTCTATTATTTATAAGTGCAAATTT
TTTAAAAAAGTGTACAGCTTTCTAAAAGTAATAAAGGTTTAGCATAAATACAGCCa
Table3 3552
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ggctgcggaagtgacaaacaacaaacgcaacagacaaagaacaaaccaaaaaacacagaaaacgaagcaag
aagagacaagagaaaaaacataaagagccaacacaagcccacaaccacagacacagcagccaacacagcga
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Table3 3554
NNNNNNNNAGCTTAGCTAAGAGGTCTTTGTTTCCAGAGGACCCAAGACTACCAGACTCCTGTGCA
GTCTGCCTGTCTGCAGAGCCTCCAATCGCGGTGGAAAGTGGTCTTGGCCTCCCAGCCCCCACTGCTGCAGC
CTTCAGAGCCAGCCTCTGGACTCAGCGCCAGGAGCCTCCTCTCCTGCTGCCCTGGTACCTGTCATCCTAGT
GTCACCTATTTGTTTTGCACAGCATTCTGGAGAACATGTGCCTCACAAAGTGATCCTGTTTTTCTCACCCT
CCAAAGCTGAGGTGGCTAAGGGAGGCAGGGGTGAGAGAGCTCACTCTCTAAACCACAGGCAGGGCAAGGTG
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CACTGCTCGGTGGTTTGTCAAGCTCAGAGGCAGCCACGGATGGTTAGGAACAGGAAGCCACACTGCTAAGG
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CGTGGTGCACCATCCCATGAGAGCAGATCAGAGGGCTGTGGTCAGGACTTCCTCCCGAGCTGCCCTCCCTC
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AGCTTTAACTTGTGCCCTCCCTGGCAACAGGGAGTCATGGGTTAATGTCACCTGTCATGCCTCTTTCTTCA
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GTTTTACTTCGTGAAACATTAGCAGCTCTGAGGGGCTTGGCTTTTGGTAAGGGACTTATAGTCTGACTTGC
CACAAGCACCTTGAGCTCCTGGGTTGGTTGGTGGTTGGTTGGTTGGGTTGTTTTAAATTTGATTTTTCTTT

Table 6
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TCCTGAAGTTTGTTAGAAGTCAGACCTATGCAAGGAAAACCATGGCCCACTTCAGCAGCCATCCAGTGGGG
GTGCTTAATCGGTGGTGGTAGGATTCATGGAAACGTTTTTTTTGAAATGAAAGAGAAGATGATGTACTTACA
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GAAGGTTCTCCCCAGGGACCAGAGTGAGAAGGAACCTTACGAAGCCTCATGGCAGGAGTGGGAGCCAGCAA
CTGCCCAGTGAAAAGCCAAACATGCTCTTGCCATGTCCATCTCCACTTCTTCGCTAGTGAGAATTAAAGCA
AGTCCGTCTCTGAGGAGGACATCGTGTTGGGGAGGTAGGGTATAAGCAGTGAGTAGCCCACATCCTTGTCC
CTGAGGCTGCGGGGCTGGAAGGAGGTCCCTGGGCAGAGCCGCAGCATCAGGTGCCATCTGCAGGGGCACCC
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TGGGCATTCCTCATGTCAGCACTTGTCTCAGATCAAGCCTGGCAGTCCTCTCATTGGCCTCCTGGAGCCAG
GGTGTCAGGAGGGGGATTGGGGTGGGGTTCAAAGTATGACAGCAATGGAGTGGCATTTGGGATAACCAAAT
GTCAGTGCCTGGTTGAGTTCCATCTGCCTGGAGCCTTCGAGGATAAAAATAATCTCCATCATAAACTGAAA
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CTACTCGGAGGTGAGTAGGCTCAGGCCTGAGCCTGAGCCTGTTTCCCACCTCTGTCTCATCAGTGCTGTCA
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ACCCCACACCCACCCCACACACTGGGATGAACCCTTGCAGAGGAACAATTCAGATGGTCACACATTCCAGG
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CAAGCTGGCTCGGCCGCCCCGTCGGTGTTCAGCCGCACCCGCACAGGTACCGAGACTGTCTTTGAGAAGCC
CAAAGCCGGACCCACCAAGAGTGTCTTCGGCTGAGAAGTGTGCGCCACTCCCCTTGCTGCCCGAATGCTCG
GAAACAGGAGCCTTACCCAGGAACTCTTTTTTATGCCAGAACGCTTCCTCTCCCCTGCTGTCTCTGGGGCT
GCCACCCTCCCCCACAGTCCAGGCCCTTCAGCCAAGGGCTCTGCACCAGCACCTTGGAAGCACCAATAAAG
AGGATGCCCACGTGGCCCCAACGGTTGAGTCCACTGGGTATTACTATGAAGACCAACTTGACAAAGGGTAG
CTGACTGGATCAGTGCTCCGGAAAAGCAATTCCTGACAATTACGCGTGGGGGGGCGCCCAATACAGAGGAG
TATCTTCGGCATGGAGGGGTCACACTAAAGAAACCGGGTCCGAATTGGGTGCGCGTGACACAAAAAAAGAA
CCCGCGGGGTACGGGCTCGTGGAAGAAACGAGAGGGGCTCGGGGCAGAGGGGCCCAACCGACAAGGGACAT
GTAAN

Table3 3555

TTGGACAGCCCGGGCaACCTCGACACCCTGCAGGCGAAAAAGAACTTCTCCGTCAGTCACCTGCT
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TGCTGGAGTCGCCGGGACTCACCAGCGGCAGCGACACCCCGCAGCAGGACAATGACCAGCTGAACTCAGAA
GAAAAAAAGAAGAGAAAGCAGCGAAGGAATAGGACAACCTTCAATAGCAGCCAGCTGCAGGCTTTGGAGCG
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AGGCGAGAGTGCAGGTGTGGTTTCAGAACCGAAGAGCCAAGTTCCGCAGGAATGAGAGAGCCATGCTAGCC
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Table3 3556

NNNNCTAGGTCGAGAACTCGGTGGATGAATCTGGGCGCGTCGCAGCTGTCATGGCGGAGACCGTC
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ACTTGGCCACTTTTAGGCCTCAGCCAACTGCCAGTGGACACCGCCCAGAGGAAGACGAAGAGGAGGAGATT
GTGATTGGGTGGCAGGAGAAGCTCTTTAGCCAGTTTGAAGTAGATCTGTACCAAAATGAAACAGCCTGTCA
GAGTCCTTTGGATTATCAGTACCGTCAGGAGATCCTGAAGCTGGAGAATTCGGGTGGCAAGAAAAACCGAC
GAATCTTTACCTACACTGACTCTGATAGATACACCAATTTGGAGGAGCACTGTCAGAGAATGACCACTGCA
GCCAGCGAGGTGCCTTCATTCTTGGTCGAGCGAATGGCAAATGTCAGGCGTCGCCGGCAGGACAGGCGAGG

Table 6
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GATGGAGGGCGGCATCCTCAAGTCACGCATCGTCACCTGGGAGCCCTCAGAAGAGTTTGTCAGGAACAACC
ACGTCATTAACACCCCTCTTCAGACAATGCACATCATGGCAGACCTGGGGCCCTATAAAAAGCTTGGCTAT
AAGAAGTATGAACATGTCCTGTGTACTCTGAAGGTGGATAGCAATGGTGTGATCACAGTAAAGCCTGACTT
CACGGGCCTCAAAGGACCCTACAGGATTGAGACGGAGGGGGAGAAGCAGGAGCTGTGGAAATATACGATCG
ACAATGTTTCCCCCCACGCACAGCCGGAGGAGGAGGAGCGGGAACGGCGAGTGTTCAAGGATCTTTATGGC
CGGCACAAGGAGTATCTCAGCAGCCTCGTAGGCACCGACTTTGAGATGACTGTCCCAGGTGCCCTCCGGCT
CTTTGTAAATGGAGAGGTCGTTTCAGCCCAAGGCTATGAGTATGACAATCTCTACGTCCACTTCTTTGTAG
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GGATGAATCTTCTGATGCACTCCCGGAGTGGCCTGTGCTCTACTGTGAGGTCCTCTCGCTGGACTTCTGGC
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TCCACGTGGAGACCTGTGGAGCTTGGCACGGTGGCTGAGCTGAGGAGGTTTTTCATTGGCGGTTCTCTGGA
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GCACAGAGACCACAGGCACTGTCACCTTCCGCTTGCACTGTCTGCAGCAGTCCAGGGCCTTCATGGAATCG
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AACCAGAAAAGCTGGGAAATTCCCGGCTGGCCCCTCTGCCTAGCCTTCTGCAGGGTCTTCTCCCTACCCTG
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GGCAGGCTTTTTGATCTGAAGCTGTTTGGGGTGACCCCATAGTGAGTCTGGCCTTGACTCACTTTTCTGGC
TTGTCTCACAGTAGCAGGGGATCTGCTGTTCTCCACCCTTTAAAAATGGAGCCTTTCATCTTCCAAGACCA
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AAGCCTCATTCTACTGCTTGGGGCTTGCTGAGGTTGAGATATGAGTTATTTCTGAGTAAGTGAAGGCTGAA
GGCAGTGCTGAGTCCTTTCTGCTAGCTGGGTGGTATCTTTTACTGTGTTTTTTTGTTTGTTTGTTTTTTTG
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Table3 3560
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
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Table3 3561
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GGAAGGTCAAGGTGGCCAGAGCATCAAGAGCACCACACAGTTTGAGAAGATGAGGCGGGAGGAAGGCAAGG
ACCTCGTCAGCCATGTAAGACGCCTGCTCCCACTTTGCCTTCCACCATGAGTCAAAGTTTCCTAAGTCTTC
CCCAGAAGCCGCCATGCTTCCTGT
Table3 3563
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TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
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Table 6
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TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table3 3564
ACAGAACAGTAAAGTTAAAACGGATGTCTCCATTGATCTGCCAAATCGTTATAGAGAGCAATTTG
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CAGCAACAGCGACTACGAGGGATGGCGGCGGCTGCAGCAGGAACTGCAACATCCCAGAGGTTTTTCCAGAG
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AAAAAAA
Table3 3565
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TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
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TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
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TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table3 3568
acattTTGGAttagaAttgaAGTATCAGTCTGTTGTTTCTTCATTTCTTCTTTTTCTATGCTCTT
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TTCATCATCATTCTCTCCTTACACCAGTTCTCACCCTGACTTTGCCATTTTTCCTTACTAAGTACGCGGGG
GTTTTTTTTCTTGCTGCAGCAACGCGAGTGGGAGCACCAGGATCTCGGGCTCGGAACGAGACTGCACGGAT
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gcaaatgggttggggttctccccaaataaaaaaagccgcggnggacccgggggttttacaaacccggagtg
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Table 6
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aacgagagaaacgctacaacaggacacgcgagcaacactacacacgacagagaacgagaccgaggcagaca
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Table3 3570
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
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GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table3 3572
ACATTTCCAAAGTCAAGAGTCAAATAAAAAAATCCCATGGAATTTGGAGCCTATTTAGAACTCAA
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TCTTCCCATCACGTGGACNN
Table3 3573
NAGTTGCAGTCCTCTTCAAGCTGTTATCATAAGTACAGTAGTCAGCTACTTGGATATCAAGACTA
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AGGCTGACTGTTCTACTTTGAATAACAGCTTCCTTGCAGTCTCCTCCACATGGGTGGTACTGTGTTTAGAA
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CCACTGGTTCTCAAACATTAGGGTGCACTGTAACCATTACAGAGCTTGTGAAAAGTGCAGAAACCTGAGCC
TCACCTTATGAGATTCTGATTCAGCCAGGGGGAGGACAGGAATCTGTATTTTTCATAGCAACCTCAAGTAA
TCTTTATTCTGAGGGTCTCGGGATTGCAGGTTGAAAAACACAACCTTAATCAGCAGTAAATTCTTCTCTAC
TCGGCCAGGCGCAGTGGCTCATGCCTGTAATCCCAGCACTTTGGGAGGCCGAGGTGGGTGGATCACAAGGT
CAGGAGTTCGAGACCAGCCTGACCAACATGGTGAAACGCCATCTCTACTAAAAATACAAAAATTAGCCGGG
CGTGGTGGTGCTCACCTGTAATCCCAGCTACCCAGGAGGCTGAGGCAAGAGAATCACTTGAACCCGGGAGG
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NNNNN
Table3 3575
ggGAATGATGCGTATATGATTCTGGCACAACCAGTTCTTTCCCCGAAGCAGCTGTTGCCACCACC
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Table3 3577
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TGTTAGAGCTGCCAGGAGACCTGAGCGGCGTCTAGACCAGCCCCTGATTTGGCAGATGAACAGGAAGACTC
CCACGTGGAAGCCACACTCCCAAGGTGGCACTGCAGTGGTGCTGATTACTTTGATTACGGACATGGACTCA
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CCAATCTCCACCAGTCCTGTATACTGTTCAAAGAAATGTCAGCCATCTTGGAATGTCACAGGAACTGGTTG
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GAAAATCTATCTTATTTTGTTGACTCCCAATAACAAAAAGAGAATGATTTGTATAGTAGTTAATAAAGGCT
GCCTATTGAAATCTCTTCTACNNNNNN
Table3 3578
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA

Table 6
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CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
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Table3 3579
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table3 3580
GCGTCCGCAGAATAAATATGGCCTGCAATAGTACACAGAGTGACACATGTCTGGGCAAAGACAAT
CGACTTCTGGAACATAACAGATCAGTGTTATCAGGTGACGACAGTACAGGAAGTGAGCCGCCACTATCACC
CCCAGAAAGGCTCCCCATCAGACGCTCTGGGACCAGAGACAAAAACAGAAGAGGGGAAACATGTTTCCTAC
TGACGACAGGTGATTACACGTGTGCTTCTGATGGAGGGATCAGGAAAGGATATGAAAAATCCCGAAGCTTA
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TGAAGATGTCTGGGATCCTATCTTGATTGCACACGACATGACTTGTGTCAGCTCATTTGCATGGACCATCT
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Table3 3581
ACGCGGGGAAGGCTCTTCTGTGTCTTCCTGACCAGCTGCTCTGTTCCCAGCTTAGAGGACCAGAG
GGAGAAGCCACCTGCTACACGCTGGATGCTGCAGCCTGTGCCACTGTGGCTTACATCGCTGTGGTTGGTGG
CAGCAACGGAGACTGCAGCCAGCTGGAGTGGTAGGAGGAAGGAAATAGTTTTGGGGTAGATGGAGGAGTAA
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CAAACTTGGGTACCT
Table3 3582
NNNNNNNNAGCTTAGCTAAGAGGTCTTTGTTTCCAGAGGACCCAAGACTACCAGACTCCTGTGCA
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CTTCAGAGCCAGCCTCTGGACTCAGCGCCAGGAGCCTCCTCTCCTGCTGCCCTGGTACCTGTCATCCTAGT
GTCACCTATTTGTTTTGCACAGCATTCTGGAGAACATGTGCCTCACAAAGTGATCCTGTTTTTTCTCACCCT
CCAAAGCTGAGGTGGCTAAGGGAGGCAGGGGTGAGAGAGCTCACTCTCTAAACCACAGGCAGGGCAAGGTG
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TGTGATGAGCTAGAAGGGAGACATCCTGGACTTCAAGTGAGACAAGTGCAGAGGAGGCCACTCCACTTAGG
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Table 6
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CCAGCTGTTAAACCAGGTACCCTGGGACTGCCCTCTGCCTCTCAGAGCCCTACCTGTCCTGGACTTGAAGG
CGAGCATCAGGCAGGCCTTCTCAGCCCATCTTCCACCAGGAGTGCAGAGCCAGGGTGCTGAGAGGAGCAGG
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TTCCTGGAGCTCACAATTGGAGCTTCATGTTCAGTCTTGAGCTCCTAATGTTTCCAGACAGGGCAGGGGAT
AGGACAGCCATAATCTATGAAAGCTGTGAAACAAACCCTGGGTTATATAGACCTCAGATGGTCTCATCTGA
AGGCTTTGCCCACTTCCCAGTGAGCAGAGGGTTTGGGGAACAAAGAGGTAGCTGAAGAGTGGTGGTTTTTC
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GTGTGTGTGTGCATGTACACACACAAATCTGTATCCCCAGGAGTGCCTCCTGCAGTCACTGGGGGCTCTTC
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CCTGGGATGAGTTTCCTCTCCACCTGCTCCAAGGTGCCTTACGAGGTGCAGCTCTTCACCTGGCCACATGG
CATCCATCACCGTGTTGAGAAATGGTGGGACGTTGGCTGGATATTGTGTGCTATGAATCTGATTTGTCCAA
ATCTGGACCTCAGCCAAGCCACCTGTGGTGGAACCTTGCAAGTCAAGGTCATGAACAAATTTCTTGTAACT
ATTGGAAATAAACTAATGAGGTAGAACTGTCATATCCAAATGGAAGAGGTGGTTGGTACTGTTACTTCCTT
TTGCTGTCAGAGGGTTGTTGACAATGGCAAGGGGGGATGTTAGTGAGATCCAGGTGGTGGTGGCTTCTTGG
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AGCTTTAACTTGTGCCCTCCCTGGCAACAGGGAGTCATGGGTTAATGTCACCTGTCATGCCTCTTTCTTCA
GGGAAAATATTAAAAGGCTCAAATCCAAGCTGTGACTTCCCTTAGACAGTGTAAGCCTGTAGGGTGCAGCC
CCAAGTTTATGTCCAAAGGCTGCCTCAGAACCCTGGAGGGAGCAGCGCCCAGCTGGCAGCTCACTCTCCCC
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GCTGCCTTGTAGAATGTGGGGCTGGCTTTTAGAAGTTTCACACGCTTGCAGCTAAGAGTGCAGAGCTCTCT
GTTTTACTTCGTGAAACATTAGCAGCTCTGAGGGGCTTGGCTTTTGGTAAGGGACTTATAGTCTGACTTGC
CACAAGCACCTTGAGCTCCTGGGTTGGTTGGTGGTTGGTTGGTTGGGTTGTTTTAAATTTGATTTTTCTTT
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TGGGCATTCCTCATGTCAGCACTTGTCTCAGATCAAGCCTGGCAGTCCTCTCATTGGCCTCCTGGAGCCAG
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ACCCCACACCCACCCCACACACTGGGATGAACCCTTGCAGAGGAACAATTCAGATGGTCACACATTCCAGG
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GTCCCAGGCTGGTGCTCAGGAAGCCCCTATCAAGAAGAAGCGCCCCCCTGTGAAGGAGGAGGACCTGAAGG
GGGCCCGAGGAAACCTGACCAAGAACCAGGAAATCAAGTCCAAGACCTACCAGGTCATGCGAGAGTGTGAG
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CAAAGCCGGACCCACCAAGAGTGTCTTCGGCTGAGAAGTGTGCGCCACTCCCCTTGCTGCCCGAATGCTCG
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GCCACCCTCCCCCACAGTCCAGGCCCTTCAGCCAAGGGCTCTGCACCAGCACCTTGGAAGCACCAATAAAG
AGGATGCCCACGTGGCCCCAACGGTTGAGTCCACTGGGTATTACTATGAAGACCAACTTGACAAAGGGTAG
CTGACTGGATCAGTGCTCCGGAAAAGCAATTCCTGACAATTACGCGTGGGGGGGCGCCCAATACAGAGGAG
TATCTTCGGCATGGAGGGGTCACACTAAAGAAACCGGGTCCGAATTGGGTGCGCGTGACACAAAAAAAGAA

Table 6
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CCCGCGGGGTACGGGCTCGTGGAAGAAACGAGAGGGGCTCGGGGCAGAGGGGCCCAACCGACAAGGGACAT
GTAAN
Table3 3583
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
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GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
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TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
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TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
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ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
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TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table3 3584
ACGCGGGGGAAGTGGTAgcaGTTCCTCCTAACTCCTGCCAGAAACAGCTCTCCTCAACATGAGAG
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GACCGAAGTGTACTAGCCAAGGAGTTGAAGTTTGTGACTTTGGTGTTTCGGCATGGAGACCGAAGTCCCAT
TGACACCTTTCCCACTGACCCCATAAAGGAATCCTCATGGCCACAAGGATTTGGCCAACTCACCCAGCTGG
GCATGGAGCAGCATTATGAACTTGGAGAGTATATAAGAAAGAGATATAGAAAATTCTTGAATGAGTCCTAT
AAACATGAACAGGTTTATATTCGAAGCACAGACGTTGACCGGACTTTGATGAGTGCTATGACAAACCTGGC
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CAGTTCCTCTTTCTGAAGATCAGTTGCTATACCTGCCTTTCAGGAACTGCCCTCGTTTTCAAGAACTTGAG
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GGTCAATGAAATCCTCAATCACATGAAGAGAGCAACTCAGATACCCAATGATGTTAGCTGTGGAAGCTACA
AAAAACTTATCATGTATTCTGCGCATGACACTACTGTGAGTGGCCTACAGATGGCGCTAGATGTTTACAAC
GGACTCCTTCCTCCCTATGCTTCTTGCCACTTGACGGAATTGTACTTTGAGAAGGGGGAGTACTTTGTGGA
GATGTACTACCGGAATGAGACGCAGCACGAGCCGTATCCCCTCATGCTACCTGGCTGCAGCCCCAGCTGTC
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ATCGATTGATATGCTTCTTTGTGTTATTTCCCTCCCAAGTAAATGTTTGTCCTTGGGTCCATTTTCTATGC
TTGTAACTGTCTTCTAGCAGTGAGCCAAATGTAAAATAGTGAATAAAGTCATTATTGAAGTTcaacgaaaa

Table 6
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aaaaaAACTTGGgggacgcgcacgagaaaagatctaaacacacatgggggcggcgccagataaggaaagag
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gacaacgcacaaccagacaaacacaaccgcacaccaacaagcgaggcgagagaggacgagagggaggatga
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acaggtccgaagcgccgaggggagagagcgggggggaggagggcgagagaaaacggagagaggagaggcaga
ggcagaagagggaagacggcgaaggaggaggagagagcacagaacgcaaagagcaacgaccaggagcggga
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gaagataagcagaggagcagcagagagaaaggaagagaagagcgagacaggagaggcggagcaggagtgag
caaaaggcgggaa

Table3 3585

NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
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GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
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TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
ATATGATGTCAGAATTTGTTGCTAATTTGCCACAGGAGCTGAAGTTAACCCTGTCTGAGATGCAGCCAGCA
TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
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ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN

Table3 3586

CCACGCGTCCGCTTGAGGAAGCCCAGTACATTTAAGTTGGTCGCGGCTTGGGCTCCGCTTTGGGG
AGGGGCAGCAGGTTTATTCACTGGATCTCTGAATACCCAGGCCCCCTCCACCATGGCCAGCCGGGGTGGGG
GCCGGGGTCGTGGCCGGGGCCAGTTGACCTTCAACGTGGAGGCCGTGGGCATTGGGAAAGGGGATGCTTTG
CCCCCACCCACCCTGCAGCCTTCTCCACTCTTCCCTCCCTTGGAGTTCCGCCCAGTACCTTTGCCCTCAGG
CGAGGAAGGGGAATATGTCCTGGCACTGAAGCAAGAGCTACGAGGAGCCATGAGGCAGCTCCCCTACTTCA
TCCGGCCAGCTGTCCCCAAGAGAGATGTGGAGCGTTATTCAGACAAATATCAGATGTCAGGTCCGATTGAC
AATGCCATCGATTGGAACCCTGATTGGCGGCGTCTACCCCGGGAGCTAAAGATCCGAGTGCGGAAGCTACA
GAAGGAACGGATTACAATTCTGCTCCCCAAGAGGCCCCCTAAGACCACAGAAGATAAGGAGGAAACAATAC
AGAAACTAGAGACCCTGGAGAAGAAGGAAGAAGAAGTAACTTCAGAGGAGGATGAGGAGAAAGAAGAAGAA
GAACAGACGGCGCGGCGGCGCAGAAGACGTTGTGAAGAGACCTGAGCGACACTGGTTCTCTGTTCCTTTGA
CATGGGAGCTGGGTGACGGTGCATTGGCGGTTTCTGAGAGATCTGGCCGGTTTCTGAGACAGAAGACCGGC
CTTGTCTCGCAGCCCGGCGCCATCGGGCCGGGCGGAAGGGGAGAATTAACCCCTCATGTCCGGAGGGAGGC
ACCCTGGGACCCCGTGGGGCACCCCTGGAGGGGCGTTAAACCGTGNN

Table3 3587

NNTACATGGTGGCCAATCAAACAGGCCACACCCTTGTTGCAAGTCCCGCGAGAGGTTCAGAGAAC
TCTCCCGTTTTACTTCTGCCTCAGGCCTCACCCGCCACAGGAAGTGGAACTCTATACCTCCACCTCGCCTG
GCTGGGTGGAGCCTCTAAACTCAGGATTCTGCCTTGAGCTGTGGCTCTCCCCTCAGGTTGACAGGGTCCAG
AGCAAAACCTACGGAAGAAGCTGCAGAGGCCAGGTGGAGGGAAGGATGCTGAACTGGAGGAGGCCAGGAAA
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GAAGCTGCGGACCCTCACGGTGATTCTAAGCACATTAAAATCTGGATGACACTTATCTGAATCATTTCGCA
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CTGTCTTCCTGCTGGCAAATCCTTTTCATTCCAAGCAAATAAGATTCCCTAAATTAGACAAAAAGGAAGAA
ACACAACAGAGTCCATAATTCTGAGAGGAAGAGAAGAGTGATCATCAGCAGCAAAAGGCAATTGCAGAGAA
GCACCACCAAGAGCCAGCTTCATGCTCAGGAGTGAATGCTGAGCCGCCTCCTCGTGGTTTCCGGTGCTCCA
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TGANNN

Table3 3588

ACGCGGGGTCCGCCCTCCCTTAAGATCACGGAAGTATCCCGCTTCCCGCGGACACAACTTTTTTT
CCTTAGTCTGTATACTTTCTGCTGTCACTAGCATAACAGAAAAGACGAATGGCTTTTGTTTTAAACTGAGG
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Table 6
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ACAGAGCATACCATGGCCAAGAAAGTTGCAGTGATTGGAGCTGGTGTGAGTGGCCTCTCCTCCATCAAATG
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GTACTTCTCAGTACTAGAACTGGTACCTGGGTTCTTGGGCGCTCTTCAGATTGGGGCTATCCTTATAATAT
GATGGTTACAAGAAGATGCTGTAGTTTTATTGCACAAGTTCTGCCTTCACGTTTTCTAAACTGGATTCAAG
AAAGGAAGTTGAATAAGAGATTTAATCATGAGGATTATGGATTAAGTATTACCAAAGGGAAAAAAGCAAAA
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TGCTATTAGCCAAATTCAGGCCCAGTCATCTCCTATCTGAATTATTGTATTATCTTCTTCTTTGTTTTCAG
TACCCTCTTTCTTGCCACCCTTTCCAATGCATCTTCTACCCTGCTACCTCAGTGATTATTCTAAAATAAAT
ATATATGATATGGTTTAAAAAAAAAAAAAAAAAAGCTGCGGCCGCAAGCT
Table3 3589
NNNACCATATCTGGGGGAAATGAACTCATTCCTGTAAAGAGTCTGCTCTGACAGTAGCATTTGAG
ACATTACTGCTTTAAATGCATTTTCATGGTTCAAAATAATAGCACTATTAAAAAATGTTTCTTCAACAAGG
ATTTGTTTTCTCCCTAAGAAGCTTAATGTGGACACTACAAATAATGACCAAAGCTGCTGAGTATGGCATAA
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GCCAACTGGAATGATGCAAATGTCAGACCCACATCTGTGGAAAAGGGGCTCGTCCCACAGGAAACAAGCTA
TTGGGGAATGGGGAGAATGATATAATTAGAAATTTAAGACACAGTATTACTCAGAAAAATGTTGGCTGGGC
AGCACATTGCTAAGACTTGAAATCTTTATTCTGTTCTCTTTTCAAAAGCCCTGTGAGCATAATGANNN
Table3 3591
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
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CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
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TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table3 3595
NNNNNNNNNNNNNNNNNNCTATATAGAGACGAGGTCTCACTGTGTTGCCCAGCCTGGTATCGAAC
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CTGCCCAGTGGAATACTTTCAACGGGGCTTCTGCATTGACTTCCCATCTTCCAACCCATCCACAAACTGCA
GCCAAAATGATGTTACTACAGTAACAACTTGGAGAAAGCAGTGTGGTTTAATCTGGAAGGAGCAGAAGCTG
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TGTTAGTTCACCGTCTCCAGCAATCACGATGACTCCCTGAAGGGCTGTCAAACGAAACAAAGGCGCAAACT
GAGACAATTCCATTGTTTACGTAACTTTCGCCAAATCGGCTCTTTCCTACGAAATATCCAGCTCATAGAGC
AGGCTGAGATGCTTTGTTGCTTTAATTCTCTTTAAGAGTCACAGCTGTCCATTTTCCACGTGCGGCTGAAG
AATGGATTTCAGAGCGCTCTCCCTCCGGCCGTGTTCACCTAGTAACCCCAGCTTCGGGATAAGGACCTGCA
GCCCGGGCGCGACCCGGAAAGGGAATCCGCCCTTTTCGCCTCCTTCGCGCCAATCGCCTGGAGTTGGCGTT

Table 6
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TCCGCAGCCGGGACACAGCCCACCCTCTAAGAGCCGCGGAGTCGGGAACGGTAGAAGGGGCCGCGCGTGCG
CAGTGGCGTCCGCTGTGCTTCCGGTGCGCCGGGCGCGGACGCGGGCACGCACACACGGAAGCACGCCTCCA
CTTAACTCGCGCCGCCGCGGCAGCTCGAGTCCACCAGCAGCGCCGTCCGCTTGACCGAGATGCTGCGGGCC
TGTCAGTTATCGGGTGTGACCGCCGCCGCCCAGAGTTGTCTCTGTGGGAAGTTTGTCCTCCGTCCATTGCG
ACCATGCCGCAGATACTCTACTTCAGGCAGCTCTGGGTTGACTACTGGCAAAATTGCTGGAGCTGGCCTTT
TGTTTGTTGGTGGAGGTATTGGTGGCACTATCCTATATGCCAAATGGGATTCCCATTTCCGGGAAAGTGTA
GAGAAAACCATACCTTACTCAGACAAACTCTTCGAGATGGTTCTTGGTCCTGCAGCTTATAATGTTCCATT
GCCAAAGAAATCGATTCAGTCGGGTCCACTAAAAATCTCTAGTGTATCAGAAGTAATGAAAGAATCTAAAC
AGTCTGCCTCACAACTCCAAAAACAAAAGGGAGATACTCCAGCTTCAGCAACAGCACCTACAGAAGCGGCT
CAAATTATTTCTGCAGCAGGTGATACCCTGTCGGTCCCAGCCCCTGCAGTTCAGCCTGAGGAATCTTTAAA
AACTGATCACCCTGAAATTGGTGAAGGAAAACCCACACCTGCACTTTCAGAAGAAGCATCCTCATCTTCTA
TAAGGGAGCGACCACCTGAAGAAGTTGCAGCTCGCCTTGCACAACAGGAAAAACAAGAACAAGTTAAAATT
GAGTCTCTAGCCAAGAGCTTAGAAGATGCTCTGAGGCAAACTGCAAGTGTCACTCTGCAGGCTATTGCAGC
TCAGAATGCTGCGGTCCAGGCTGTCAATGCACACTCCAACATATTGAAAGCCGCCATGGACAATTCTGAGA
TTGCAGGCGAGAAGAAATCTGCTCAGTGGCGCACAGTGGAGGGTGCATTGAAGGAACGCAGAAAGGCAGTA
GATGAAGCTGCCGATGCCCTTCTCAAAGCCAAAGAAGAGTTAGAGAAGATGAAAAGTGTGATTGAAAATGC
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TTGATCTGGATAATGTGGTCAAAAAGGTCCAAGCAGCTCAGTCTGAGGCTAAGGTTGTATCTCAGTATCAT
GAGCTGGTGGTCCAAGCTCGGGATGACTTTAAACGAGAGCTGGACAGTATTACTCCAGAAGTCCTTCCTGG
GTGGAAAGGAATGAGTGTTTCAGACTTAGCTGACAAGCTCTCTACTGATGATCTGAACTCCCTCATTGCTC
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GAACAGGAATTGAAGTCTGAATTTGAGCAGAACCTGTCTGAGAAACTCTCTGAACAAGAATTACAATTTCG
TCGTCTCAGTCAAGAGCAAGTTGACAACTTTACTCTGGATATAAATACTGCCTATGCCAGACTCAGAGGAA
TCGAACAGGCTGTTCAGAGCCATGCAGTTGCTGAAGAGGAAGCCAGAAAAGCCCACCAACTCTGGCTTTCA
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TGAGGCCATCAAAGCCAACTGTTCTGATAATGAATTCACCCAAGCTTTAACCGCAGCTATCCCTCCAGAGT
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AGGGTAGCAATGATTGATGAAACCAGAAATAGCTTGTACCAGTACTTCCTCTCCTACCTACAGTCCCTGCT
CCTATTCCCACCTCAGCAACTGAAGCCGCCCCCAGAGCTCTGCCCTGAGGATATAAACACATTTAAATTAC
TGTCATATGCTTCCTATTGCATTGAGCATGGTGATCTGGAGCTAGCAGCAAAGTTTGTCAATCAGCTGAAG
GGGGAATCCAGACGAGTGGCACAGGACTGGCTGAAGGAAGCCCGAATGACCCTAGAAACGAAACAGATAGT
GGAAATCCTGACAGCATATGCCAGCGCCGTAGGAATAGGAACCACTCAGGTGCAGCCAGAGTGAGGTTTAG
GAAGATTTTCATAAAGTCATATTTCATGTCAAAGGAAATCAGCAGTGATAGATGAAGGGTTCGCAGCGAGA
GTCCCGGACTTGTCTAGAAATGAGCAGGTTTACAAGTACTGTTCTAAATGTTAACACCTGTTGCATTTATA
TTCTTTCCATTTGCTATCATGTCAGTGAACGCCAGGAGTGCTTTCTTTGCAACTTGTGTAACATTTTCTGT
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TTTGCCCTCGGAGCAAACTGAATAAAGCAACAAGATGAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAT
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GGTCAAGTTGCACAAATGGGGCCATAGCGTGGTTCCCAGAGAAGACAACTCGCGGGCGAGGCACATCGTGG
CGTGCGCTTCCTTCCACCAAATAAGAACAAGCCCCCGGGGGGCCACCGGACCGGTTTGACAAAAACACGAA
GGCGGGTCGGGAGGCCATACAGGGGATCTCACACGGGGTCCACAGCGAGTCGAAATCAATTCGCCGGCACN
NN

Table3 3597

TTTCCAGGGAGTAAAAAGGCCTTTTGGGTGGCACATAAATCTACTGCGGTGCTGCCTGCTGTGGC
GCGGGACAGCTGTTGAATTGTTGTAATTGGCTGACTCCCTGAAGTGGTGGTATTTTCTGTAGGGGTTGTTG
TCCTTGAAAACCCTGAGGAACAAACAGTTTAACTGGGAATGCCCCAGTTTGTTGGGGGGCCTGAGGCTGGC
CCCTCTTCCTGTTTCCAGACAATGGTTGCCCATCTTTATCAAATTTAGAATGACATTGATTGGCCCAATGT
TTTGCTTTTCCACATTTTGGACACAGGCCAGATGGCTTTTTATTTTTTGCTGTTAATAGCTTGATTTATTA
TATTCTGTTTATTTAAGCCTGGGCAACTCCTTTTCAGATGACCGATTTGACCACAATTATAACATTTTTTC
CCAAATGTTCTAACTTGTCCTCCTAGAGTGAGCCCCCTCATTGCTTGAGCCATTAGCATTGCCTTATGCAT
AGCTCCTCCAATCCCATCACAAGCCTTCACATATTCTGTAATTACATCAACTCCTGCTGGAACTTTTCCTT
TTAATGGCTTTATGGCCGACTGACATTCTGGATTTGCATTTTCATAGGCCATTAATTCTACAATAACTTTT
CGGGCATTGTCATCTGTAATAGACTTTTGAGCAGCATCTTGTAATCTTGCCACAAAGTCAGGATATGGCTC
TTTAGAGCCTTGTCTAATTGAATTAATAGGGAAAGCTGTTCCTGGGTCCTGAATTTTTCCCCAGGCCCTGA
GGCAAATAGCCCTTACTTGTTCAATAGCCTCATTCTGCATCACTGATTGTTGGTTAATGGTGCTCCAATTT
GGACCTGTTCCTAACAATTGGTCTGCGTCTATATTAACAGTGGGCTTAGTAGCCTGATTTTTTCGTACCTG
TTCTTGTACTCCATCAATCCACCAGGTTTTAAACTGTAGATACTGAGAGGATGAAAGGGAAGATTTGGCCA
AAATTTCCCAGTCATAAGGAGTAAGTCTATTTCCATGAGCAATGGAATCTAATAATGTTCTTATATAAGGG
GAGTTGGATCCATATTGTTTAACTCCTTCCTTTATATCTTTTAACATTTTCATGGTGAAAGGTTCACATCT
AGTCTCAGCTCGGGCAGGCGCTCCTACTTGAGTCTCTTCCCCGGCCTGTACCAGTTGTAAAATTACCAGGA
ACCGCCATGCCTCAAGATCGCCCTGTTTTCTGGCTTCATCAATGACTGCATGCAGTGCACCACCCTGTCCA

Table 6
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CTACGTGATGCTGTAGGATTAAGTCTCACAGTGGGCGGCTGAGGATACAGCGCCGCGTCCTGTGTTGCTGG
TGAATTAGACGCCATCGCTGTGGGTTGCTGGTATGGTGCCGTGCTATTTGGCACAGGACACACCGCTTGAG
GTCTGTATTGAACCTCTGAAGGAGGCCGATACTGAAGCTCGGTTGGCAGCCGGTATTGATAAACTACCAGC
GGTTGGGTCTTATTTTCTACCGGCTGATATTGTGGATACTGTATCTGAGTTGGCATTGCCGGGATAGAGAC
TCTGTCCCTTTCTACTTGATTTTCTCTTGGGGTTTGTGCTTGTCTAACCTGCGTTTGAGGTTGTAATGTTA
CAGGCATCTGAACCACGGGAGGAGGAGTTGATGGCGATCGTGGTTTAGGCTCTGATGGCCCCAATGATTCT
GGACCTCCTTCCCCCAATTTTGATGATTCAGGGTATATTATCTCCTGTAATTGACTGTAGTCAACATTTTG
CGTTGACTGAGCCATTACAGACTCTGCTACATATTTACAATGTGAACTTTCCGTTCCTTGCTGGGATTCTG
TCCCTGCCTCTTCTTCACAATCTGTTACACAGCTTTTAGGGGCATCAGAAACTGAAACAATATCTTCTCCT
GTTTGAAATGGTTCTAAAGTTGCTTTAATAATGGCCCAATCATTCCATACTGTAAGTGGGATGATTTTACC
TTCCCTATTTGCTTGTTTTAATTCTTTGCCAATTTTTTCCCAATCTTTTAGATCTAAAGTTCCCTGTTCTG
GAAACCATGGGCAGAATTGTTCTATTGTTTGAAATAGCGTAATTAGATTTTCTGTAGAAGCTCTAACTCCC
CCTCTTCTTAAAAGAATTTTAATAAAGCTGAGATAAGAGGCATATTTACTTTCAGTTTGCCCCATCGTTAC
CCTGGGTTCCTCTAAGCACACAAGCTTACCGCAAGGCTGACCGTGGACGTACTTGGGAATCTCTCGTCGGC
TGTCCTCAATGCTCACGTTCTTAGCGTACCTTCACCCTAGAGAAGGGCCCCCACGCCGGGCGCCAGATGAA
GGGGTGGCCTGCCCCTCCACACCTGTGGGTATTTCTAGTCGGGTGGGATGAGAGACGGAGAAAAGAAATAA
GACACAGAGACAAAGTATAGAGAAACATCAGTGGGTCCAGGGGACCAGCACTTAGCACACCAAGGACATGC
ACAGGCACCGGCCTATGAGTTCCCTCAGTTTTTATTGATTATGATTTTCATTATTTCAN
Table3 3598
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
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CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
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TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
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TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table3 3599
GACATCCTCATAGAGAATCTCAGTGGATTAAGGCAGCTGTAACTTGTTTTGGACTGCAGTTACAG
AGGCCAAGGTATAGAAGAAAGGTAACGAGAGTGCCAGGATAGGAAAGTTCTGAGATGAAGACAACCTGGCA
GCTCAAAGTCACAGTTCTTGCCCTGTTGCTTCAGACCAAATTCCCTCTACAGCCTGAAGCAAGCTGGCCTT
GCCCACAGAGAACTGCCTTTCTCCATATGCAGCCACCTCCCTCAGGGCAATTCCTTGCCTTGGATCCTCAC
TGCACCTGCTTCACCAGCATCTTGGCTCTTCATCTCCCTACCCCCAGAGAAGCTTTCCATTTAGGAGCTCG
CAACGCCCTTCCTAGGCCATGCCAGTGTTTTAATTTGCTGGAGACTAGCCCACAGGAACAATAGTGGCTGT
GTGTAGACACGATGGCCATGGCACACACTCATGGTTTTCACAACTTCATATGAATACACAGACTGGGCTCC
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CTGCTGGGTGGCACTTACGGCTTTCACACTAGAACCAGCTCAGCTGGCTCTTTGTGTTTGTATACTTTAGG
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CAGGTCACTCTGGATCTTAGCCAACTCACCACAGATGCTGGGCTGGCGCCTCTGGAGCAAGGCACCCCTCA
ATACCAACCTTCCCGAGGGAGGAACAGCATAACATATCTCACCCACAGACCCATGTGATGGGAGGGATGCC
CAACAGTGCTGTAGGGTAAAGAAAAATCTACCTCTGTGAAGAGCAAGAACTAGTATTGAAGTGACTAGATG
CCACAGTCCTGCTGTAAGAGCTAAGGAGCAGAGGTTCCTCTCTGTGTGGAGAGAGGAN
Table3 3601
ACGCGGGGCCATCGCAAAGTTGTTAACCCCAGAGTCTTCTGGCTGTGCTGCCTCCTCTGCTTTTA
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GTCTTCTTTGCCTGCACTAATGGAACATCATCTTCAGCGGGCTATTTCAGCACAGCAGGTGTATGGCGAGA
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GGGGAATTTAAGATGCCAAAGCAGCTCATTCACATACAGCCTTTTAGTTTGGATGCTGAACAGCCTGATTA
TGATTTGGATTCTGAAGATGAAGTATTTGTGAATAAACTGAAAAAGAAAATGGACATCTGCCCATTGCAAT
TTGAGGAGATGATTGACCGCCTAGAAAAAGGCAGTGGTCAGCAGCCAGTCAGTCTGCAGGAAGCCAAACTA
CTGCTAAAAGAAGATGATGAACTAATTAGAGAAGTTTATGAATATTGGANNNNNNNNNN
Table3 3602
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA

Table 6
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TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
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TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
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TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
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ATTCTCGAAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table3 3603
AGGTACCGTGTTTTAAGCTTAGTTCAGTCTCAAGTGTTTGCAGCCACATCTGAAGACCAATAAAG
CAACTGCTGGTTTATCCTTTGGGAGCTGACAGAATTTCTTCTCCCAAATACATACACAGTAAAATCATAAG
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CCGGGCGNNNNN
Table3 3604
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
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TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table3 3607
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
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TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
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ATTCTCGAAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table3 3608
NNNNNCAGGTACGCGGGGGAGTTTCACGCGCGTATGCTTTGCCCGCCATGGCCGCAGTCAAGGAG
CCTTTGGAGTTCCATGCCAAGCGGCCTTGGCGCCCCGAGGAGGCAGTAGAAGATCCGGACGAGGAGGATGA
GGATAATACTAGTGAAGCCGAGAATGGGTTCTCCCTGGAGGAAGTGTTACGGCTCGGAGGCACCAAGCAAG
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TCTGATGAGAATGGCAGTACCACACCGAAAGTAAAGAAAGATAAACAGAACATCTTTGAATTTTTTGAGAG
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Table 6
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CCCAGCCTCAGGATGTTGTATCTAAGTACAAAACCCTTGCTCAGAAGCTGTATCAGCATGAAATCAACTTA
TTCAAAAGTAAGACGAATAGTCAAAAGGGAGCCTCTTCTACCTGGATGAAGGCAATTGTGTCATCGGGGAC
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AGCTGAAACACTTAGTGGCTGAATTTGTGCAGGTCTTAGAAACTTTAAGTCATGATACATTAGTAACCACT
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TGATGTAGAAACCAAAAAACCAGAGGTTGCTTCCTGGGTGCACTTTGATAATTTGAAAGGTGGGAAACAGT
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AGATGAAGATTCAGAAGGTAGTGATGATGAACTTGGTAACCTGGATGACGATGAAGTTTCTTTAGGAAGTA
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GCTGTTCAACCATGTTTTTTGATCTAGCTCTCTGATTCCATACATTCCAGACTTCTCAGTGGATTTGTAAT
AAACTATAAATAAAAATAGCTCTCATTTATAAAGTCATGTGGAAACATTGTTAAAATTAAATGTATTGANN
NNNNNNNNNNNNNNNNNNN
Table3 3610
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
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CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
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ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table3 3612
NNNNNNNNNNNNNNNNNCTATATAGAGACGAGGTCTCACTGTGTTGCCCAGCCTGGTATCGAAC
CTCTGGGCTCAAGCGATCCTCCCGCTTCGGCCTCCCGAAGTACTGGGATTACAAGCGTGAGCCACCGCGCC
CTGCCCAGTGGAATACTTTCAACGGGGCTTCTGCATTGACTTCCCATCTTCCAACCCATCCACAAACTGCA
GCCAAAATGATGTTACTACAGTAACAACTTGGAGAAAGCAGTGTGGTTTAATCTGGAAGGAGCAGAAGCTG
TGGAGTCCAAAGGACCCGTGTTCCTATCCTTGTTGTGCCACTTGACACGTTTAGCACAAGGGTCCCCACAG
TGTTAGTTCACCGTCTCCAGCAATCACGATGACTCCCTGAAGGGCTGTCAAACGAAACAAAGGCGCAAACT

Table 6
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GAGACAATTCCATTGTTTACGTAACTTTCGCCAAATCGGCTCTTTCCTACGAAATATCCAGCTCATAGAGC
AGGCTGAGATGCTTTGTTGCTTTAATTCTCTTTAAGAGTCACAGCTGTCCATTTTCCACGTGCGGCTGAAG
AATGGATTTCAGAGCGCTCTCCCTCCGGCCGTGTTCACCTAGTAACCCCAGCTTCGGGATAAGGACCTGCA
GCCCGGGCGCGACCCGGAAAGGGAATCCGCCCTTTTCGCCTCCTTCGCGCCAATCGCCTGGAGTTGGCGTT
TCCGCAGCCGGGACACAGCCCACCCTCTAAGAGCCGCGGAGTCGGGAACGGTAGAAGGGGCCGCGCGTGCG
CAGTGGCGTCCGCTGTGCTTCCGGTGCGCCGGGCGCGGACGCGGGCACGCACACACGGAAGCACGCCTCCA
CTTAACTCGCGCCGCCGCGGCAGCTCGAGTCCACCAGCAGCGCCGTCCGCTTGACCGAGATGCTGCGGGCC
TGTCAGTTATCGGGTGTGACCGCCGCCGCCCAGAGTTGTCTCTGTGGGAAGTTTGTCCTCCGTCCATTGCG
ACCATGCCGCAGATACTCTACTTCAGGCAGCTCTGGGTTGACTACTGGCAAAATTGCTGGAGCTGGCCTTT
TGTTTGTTGGTGGAGGTATTGGTGGCACTATCCTATATGCCAAATGGGATTCCCATTTCCGGGAAAGTGTA
GAGAAAACCATACCTTACTCAGACAAACTCTTCGAGATGGTTCTTGGTCCTGCAGCTTATAATGTTCCATT
GCCAAAGAAATCGATTCAGTCGGGTCCACTAAAAATCTCTAGTGTATCAGAAGTAATGAAAGAATCTAAAC
AGTCTGCCTCACAACTCCAAAAACAAAAGGGAGATACTCCAGCTTCAGCAACAGCACCTACAGAAGCGGCT
CAAATTATTTCTGCAGCAGGTGATACCCTGTCGGTCCCAGCCCCTGCAGTTCAGCCTGAGGAATCTTTAAA
AACTGATCACCCTGAAATTGGTGAAGGAAAACCCACACCTGCACTTTCAGAAGAAGCATCCTCATCTTCTA
TAAGGGAGCGACCACCTGAAGAAGTTGCAGCTCGCCTTGCACAACAGGAAAAACAAGAACAAGTTAAAATT
GAGTCTCTAGCCAAGAGCTTAGAAGATGCTCTGAGGCAAACTGCAAGTGTCACTCTGCAGGCTATTGCAGC
TCAGAATGCTGCGGTCCAGGCTGTCAATGCACACTCCAACATATTGAAAGCCGCCATGGACAATTCTGAGA
TTGCAGGCGAGAAGAAATCTGCTCAGTGGCGCACAGTGGAGGGTGCATTGAAGGAACGCAGAAAGGCAGTA
GATGAAGCTGCCGATGCCCTTCTCAAAGCCAAAGAAGAGTTAGAGAAGATGAAAAGTGTGATTGAAAATGC
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GAGCTGGTGGTCCAAGCTCGGGATGACTTTAAACGAGAGCTGGACAGTATTACTCCAGAAGTCCTTCCTGG
GTGGAAAGGAATGAGTGTTTCAGACTTAGCTGACAAGCTCTCTACTGATGATCTGAACTCCCTCATTGCTC
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AAATGAGAACCCAGCTTCGCCGACAGGCAGCTGCCCACACTGATCACTTGCGAGATGTCCTTAGGGTACAA
GAACAGGAATTGAAGTCTGAATTTGAGCAGAACCTGTCTGAGAAACTCTCTGAACAAGAATTACAATTTCG
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CCCTGACCCGTGGGGTGTACAGTGAAGAGACCCTTAGAGCCCGTTTCTATGCTGTTCAAAAACTGGCCCGA
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CCTATTCCCACCTCAGCAACTGAAGCCGCCCCCAGAGCTCTGCCCTGAGGATATAAACACATTTAAATTAC
TGTCATATGCTTCCTATTGCATTGAGCATGGTGATCTGGAGCTAGCAGCAAAGTTTGTCAATCAGCTGAAG
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TTCTTTCCATTTGCTATCATGTCAGTGAACGCCAGGAGTGCTTTCTTTGCAACTTGTGTAACATTTTCTGT
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GGTCAAGTTGCACAAATGGGGCCATAGCGTGGTTCCCAGAGAAGACAACTCGCGGGCGAGGCACATCGTGG
CGTGCGCTTCCTTCCACCAAATAAGAACAAGCCCCCGGGGGGCCACCGGACCGGTTTGACAAAAACACGAA
GGCGGGTCGGGAGGCCATACAGGGGATCTCACACGGGGTCCACAGCGAGTCGAAATCAATTCGCCGGCACN
NN
Table3 3613
GACATCCTCATAGAGAATCTCAGTGGATTAAGGCAGCTGTAACTTGTTTTGGACTGCAGTTACAG
AGGCCAAGGTATAGAAGAAAGGTAACGAGAGTGCCAGGATAGGAAAGTTCTGAGATGAAGACAACCTGGCA
GCTCAAAGTCACAGTTCTTGCCCTGTTGCTTCAGACCAAATTCCCTCTACAGCCTGAAGCAAGCTGGCCTT
GCCCACAGAGAACTGCCTTTCTCCATATGCAGCCACCTCCCTCAGGGCAATTCCTTGCCTTGGATCCTCAC
TGCACCTGCTTCACCAGCATCTTGGCTCTTCATCTCCCTACCCCCAGAGAAGCTTTCCATTTAGGAGCTCG
CAACGCCCTTCCTAGGCCATGCCAGTGTTTTAATTTGCTGGAGACTAGCCCACAGGAACAATAGTGGCTGT
GTGTAGACACGATGGCCATGGCACACACTCATGGTTTTCACAACTTCATATGAATACACAGACTGGGCTCC
CTGGCGGACTGAGGGTAGCTGAGATGGCACATTCTCCTTCCACAGAAGAATGATTTCTTGTTTTCAAACGC
CTGCTGGGTGGCACTTACGGCTTTCACACTAGAACCAGCTCAGCTGGCTCTTTGTGTTTGTATACTTTAGG
TAGAAGGTACATTCAGAAAGTGACCCTAGAGAGACTGCCCCAAAGAGTGAAGGCCTCTGGGGAGCTCTGAG
CAGGTCACTCTGGATCTTAGCCAACTCACCACAGATGCTGGGCTGGCGCCTCTGGAGCAAGGCACCCCTCA
ATACCAACCTTCCCGAGGGAGGAACAGCATAACATATCTCACCCACAGACCCATGTGATGGGAGGGATGCC
CAACAGTGCTGTAGGGTAAAGAAAAATCTACCTCTGTGAAGAGCAAGAACTAGTATTGAAGTGACTAGATG
CCACAGTCCTGCTGTAAGAGCTAAGGAGCAGAGGTTCCTCTCTGTGTGGAGAGAGGAN

Table 6
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Table3 3614
NAACTGCCACCTGGAAGATACAGGTGGAAACCCGAAAACAGAGTATTGTATGGGAGTTTGAAAAA
TACCAGCGATTACTAGAGAAAAAGCAGCCACCACATCGGCAGCTGGGGGCAGAGGTAGCAGCAGCTCTGGC
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GATATTCAGGAAGTGTTAAACAGGAGCAAATCTTGGAGCTTGCAGCAGCCAGAACCAATCTCCCTGGAGTT
GAAGACAGATTGCCGTGTGCTGGGGCTAAGAGAGATCCTGAAGACTTATGCAGCTGATGTGCGCTTGGATC
CAGATACTGCTTACTCCCGTCTCATCGTGTCTGAGGACAGAAAACGTGTGCACTATGGAGACACCAACCAG
AAACTGCCAGACAATCCTGAGAGATTTTACCGCTATAATATCGTCCTGGGAAGCCAGTGCATCTCCTCAGG
CCGGCACTACTGGGAGGTGGAGGTGGGAGACAGGTCTGAGTGGGGCCTGGGAGTATGTAAGCAAAATGTAG
ACCGGAAGGAGGTGGTCTACTTATCCCCCCACTATGGATTCTGGGTGATAAGGCTGAGGAAGGGAAATGAG
TACCGAGCAGGCACCGATGAGTACCCAATCCTGTCCTTGCCGGTCCCTCCTCGCCGGGTGGGAATCTTCGT
GGATTATGAGGCCCATGACATTTCTTTCTACAATGTGACTGACTGTGGCTCCCACATCTTCACTTTCCCCC
GCTATCCCTTCCCTGGGCGCCTCCTGCCCTATTTTAGTCCTTGCTACAGCATTGGAACCAACAACACTGCT
CCTCTGGCCATCTGCTCCCTGGATGGGGAGGACTAAGAAAGCTACCACCCTAACCACAGAGGCTTGGAATT
GGGCCTGGCCCCCATGGGGCTTGGAGGACCGAGCCACTGACAGGTATCCCCTGAAACTGAGCTGAGCCCAG
TATCCAAGGATTCCTCTGTCTGATCCTTTGGTCTTTGCTACCAGGCTGAAGTCTGTCATGAAACCACTTAT
TTTAAAAAGCAGAGGCCCAGTCAAATGAGCATTGCATCCCATGAGGGAAGCACGACAGGGCTGATGGTGAG
GATCAGAGCAGTTCTAAGGTGACTCGTTGGGGTAAGGATCAGGACTTTGTCCATGTAGTAGCCAACCACCC
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ACCATTAGATGGGCTTTCCCAATAGGCCAAAAAAATGCTGCGCATACCCAGAGCTGGTTGTTGTGCTGAGG
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TCCTGGCAAGAGAAATTCAGTGCAGCAGGGGGACACAGACCTGCCCAAGCCACCCCACTGCCGTTCCCTCT
CTGAGCACAAGCTGGGCAAATCACTGTCCCTTGGACTCCAGTAGACCAGTGTCCTAGTCTTGCTTTTTTTC
TCTAAGTGGCAGGATCAGAAAACCTGCGAGCTTTAGTTTGTATTTTCACTTTATGAATGAGGAAACTGAAA
TGGCCTTAAGGGAGCAAGTTATTTCTTTTTTTTTTGACACGGAGTCTCGCTCTGTTGCCCAGGCTGGAGTG
CAGTGGCACGATCTCGGCTCACTGCAGGCTCTGCCTCCTGGGTTCACGCCATTCTCCTGCCTCAGCTTCCC
GAGTAGCTGGGACTACAGGCGCCCACCACGACGCCTGGCTCATTTTTTTGTATTTTTAGTAGAGACGGGGT
TTCACCATGTTAGCTAGGATGGTCTCGATCTCCTGACCTCATGATCCGCCCTCCTCAGCCTCCCACAGTGC
TGGGATTAGAGGCATGAGCCACTGCGCCCGGCCCCTGGAGCAAGTTATTTCTTACAAAGCTGCTGAAGGTA
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CATGCCTATACATCACTTATTATATTTGGGTCTGAAACTTCTCACATGTTTGGGAGGTTTTATGTGTCCTC
ATTGGGAAAATGGGTGTAATTCAGCATAAAACCTCATATGATTGTCCTGCCTCATGGAGCTGTTGTATAGA
TCCCAGATCCATCCCATGATTTGTTCCTGTCTGAGGCATAGAGGCAGGCAAGCCGTGGATTTTGCACATGG
TGACTTTCCCACTGTGCCATGATACAGTCTGCATCTTATAGCAGTGCCTTTGTCTCAGGGCCTCTGCTGGC
AGTCTAGACCTTTTGGGCAGAAAGGAGCTTCAAATGGCTGTGATAAGGAATATTAAAAATTGTGTTTCTAC
TTTAATTGTATTGGCTGTTCATGTATGTAGGAGTTAAAATAGGCCAAACTGGAGAAATAAACGCATTCTGT
CCACCATGAAAAAAAAAAAAAAAGAAAATGTNNGNNNNNNNNN
Table3 3615
NNGTGGTTGTTTGTTGGGCGCGGGGTCGTCCTATCGACCGCCTGGTTAGCCGCCGGTTTGGACCA
CTTGCCGTTTTGCCGGTGCTTTTCGTCGTGGGCCCCCAAGATGTCTTAAGTTTGGGGCCGCCCGAACTTTT
GTGTTGTTTTTTTTTTGTTTTTGATTCTGGTTATTACACTCTATGTTGGAATGTATGTTTCTTATTGGGCCA
TTTCAGAGTAATCTTGGCCACGTCTTGTCACAGGTTCTGTCTGTACTAGGCAGCAATCTAACATGGCTTTC
ATCCACGACTCCATTTCCTTTCCTGTATCAGTGCAGAAATATAGGTCCGCATGTTTGGATGGCTGCCTTAA
AAGCATATTTGCGATTAATGTGATCTTCAGAGGTAAGCAAAGCTATCTGAAAACTAGGTAACAGTATGCTT
CCCAGGATACCCTCTTCTTTCTCATCTCTATAATAAAAGAGGCAAAGGTCAGAAAGCACAACCAGCGTTTC
TTCCACGATTTCATGCCAGTACTGTCCTGTTTATAAAGCCAACCTCGTCTGACAACCGGTGCATTGGGATT
CCTTTTAATTGAATTTGACCTCTTTCCAAAATTATGAACTTTTTTTGAAGCTCGTGAAGTTCTGCCTACAG
GGCTCATTGGATGCACTGCATAATCTGAAGTCACGTTATAGTTAGAAGCTTCATTTATCATACTTATTGGC
CGTTCCTTCTTTTCTTCAGATGTCATGGTTGCAACAGTCTGTTCATTCACTACAAAATACAATTGTCCTGT
GATGGTTGTCCTGTGACTGGATGTTTGCAGGTCACTTTCCTGTTCATTATGGTTTATATAGTATCTTGCAC
CTTCAAAAGTATATGCCTTCTTCCCAGCCAGTAGGCAAATCTGTGCTCTGCCGCCGGTGTCCGGTGACCAC
CGCCTCGCCGGTGACGGGGTGCAGCCAGGTGGTGCTCTTGGCCTCCTCGTTGATGAAGAAGACTCGGCCGC
CCCTGGTGATCCCGTAAGTCCAGGACCGGGGCAGGGAGATCCACTCCAGGTTTAGATCCGCCGCCATGTCT
GATCCCTAGCCGCCGCCGCCGNCNNNNNNN
Table3 3616
ACTTTCCGCCGCCGCCACAGCGGCCCCCTCTCTGAAGAATGCAGCCTTCCTAGGTCCAGGGGTAT
TGCAGGCAACAAGGACCTTTCATACAGGGCAGCCACACCTTGTCCCTGTACAGTGGACAGCTTAGCATGTT
GACAACTGAGAATAAAATGCTCAGTTCTGAACTGGACAATGTAAGACACAACGACGAAACACTGGAAATGG
AAATTCAATTACATCATTGTAGACTGGCTACTGCTCTACATGATTGTGACCAAAGTCAGAGAGCTGAAAGA
GACTTCTTTCCAGAGAACAAGACATGAACAGGTTTATTTACAGAAGACAATGAATTCTCATTTGTCTAACC
TAAAAGATTACAGAATCTTTCTCAACAAGTCTAATGTAGACAGTAAAATCAACAGGCTAAAAATTAAGTTC
CATGAAACAAGATAAAACTCTGAGAGAAAAGATGGGGCAGGCCGCCATCTTTCCCGTTCGGGCAACTTAGT
CATTCCAGCCTGAGGGCTTTGGAGAGTACAAACTGACCAGGGAAAGAAGAGATCCCAGAGCACAGCATAGC

Table 6
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TGCTTTACCAAATCATGGCCAGACTGCTTCTGTAAGCAGGCCCCTGATCCTGTTCCACCTCACTGGACAGG
ACCTCCCAACTGGGGCCTCCAGCTACCCCCACCAGCATCCCTTGGCCAATGGAAATTTGAAATGTTCCTGG
GACAGAGCTCCTGGAGAGAGGGGCAGGCCACCACCTTTGCTGTTTGGGTGACTAGCCGTTCTGGCCTGCAG
GCTTTGGAGAGCCCAAGCTGACAAGGGGTAGAAGAGGTGCCTCAGCACAGCACAGCCACGCTACGAAAACA
TGGCCAGACTCTTGTTTAAGTCAGTCCCCGAACACATTTCTAGTCAGTGGGTGAAGTCTTTCAACCAGGGT
CTCTGGCTACCTTGACTGCTGTTCTCTGGCCGACAGAGGTCTCAGGCCTCCCTGAGTCAGAGCTCCCGGGG
GGAGGACCAGATTGTCATCTTTGCTGTTTGGGTGACCCAGCCATTTCAGCCTTAGGGCTTCAGAGTGTCTG
AGGTAGCCAGGGGCTGAAGTGAACCCCCAGCACAGCACAGCTGCTCTATAAAAACGTGGCCAGACTTTTTC
TTTAAGCAAGTCCCTGTTCTTATTCCTCCTGACTAGGTAAGACTTCTCAACTTGCCTCCAGCCACATCTTA
TTGGTGTGTTCAGATTGGCAACAGGTTCGT
Table3 3617
ctctggaagctagaggaaccagacctcATCAGTCCAACATCAAAGACACCATCGGAACAGCAGCG
CCCGCAGCACCCACCCCGCACCGGCGACTCCACCATGCCGCCGAAGTTCGACCCCAACGAGATCAAAGTCG
TATACCTGAGGTGCACCGGAGGTGAAGTCGGTGCCACTTCTGCCCTGGCCCCCAAGATCGGCCCCCTGGGT
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GAAACTGACCATTCAGAACAGACAGGCCCAGATTGAGGTGGTGCCTTCTGCCTCTGCCCTGATCATCAAAG
CCCTCAAGGAACCACCAAGAGACAGAAAGAAACAGAAAAACATTAAACACAGTGGGAATATCACTTTTGAT
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AGATCCTGGGggaCTGCCCAGTCAGTGGGCTGTAATGTTGATGGCCGCCATCCTCATGACATCATCGATGA
CATCAACAGTGGTGCTGTGGAATggcCccaGCCAGTTAAggcACAAAGGAAAACATTTCAATAAAGGATCA
TTTGtgcttaactggctgggcattccacagcaccactgttgatgtcatcgatgatgtcatgaggatggcgg
ccATCAAcattacAGCCCACTGACTGGGCAGTCCCCAGGATCTCAATGGTTCCAGAGAGTTCTCTGGCTAA
GGATCGGTGCCGCATCTGTCGAGCAATGTTGACAATCTCATCAAAAGTGATATTCCCACTGTGTTTAATGT
CTGTTTCTTTCTGTCTCTTGGTGGTTCCTTGAGGGCTTTGATGATCAGGGCAGAGGCAGAAGGCACCACCT
CAATCTGGGCCTGTCTGTTCTGAATGGTCAGTTTCACTGTAATCCTCAGGCCCTTCCAGTCACCCGTTGCC
TTGACAATGTCATCACCAACTTTTTTTGGAGACAGACCCAGGGGGCCGATCTTGGGGGCCAGGGCAGAAGT
GGCACCGACTTCACCTCCGGTGCACCTCAGGTATACCTAGGGCGTGCGGGCTCCCAAGCCGCCACAGGTGG
TCCAgtccttccctcCcCACCTACACGTGAAGAAGCTAAGGCCCAGAAAGGCTGAGGCTTGGCCGGGGCGG
CGCAACACCGGGAAGGTCTCTGGGAGGCAGCGGCTTTAAGAGCCCCATACGGGGAAAGCTTTGCACGCGCG
GCGGGGCCGAGGGATGCTCCATCCCGCAGCCCCGGCCACAACCAGAGCACGCACCGACTTTGATCTCGTTG
GGGTCGAACTTCGGCGGCATGGTGGAGGCGGCTGGTGTCGGATGAACCCGGATTCGGGACGACCGAAGGAA
GTTGCACCTTGGCCTCCACCATGCCGCCGAAGTTCGACCCCAACGAGATCAAAGTCGTATACCTGAGGTGC
ACCGGAGGTGAAGTCGGTGCCACTTCTGCCCTGGCCCCCAAGATCGGCCCCCTGGGTCTGTCTCCAAAAAA
AGTTGGTGATGACATTGCCAAGGCAACGGGTGACTGGAAGGGCCTGAGGATTACAGTGAAACTGACCATTC
AGAACAGACAGGCCCAGATTGAGGTGGTGCCTTCTGCCTCTGCCCCTGATCATCAAAGCCCTCAAGGGAAC
CACCAAGAGACAGAAAGAAACAGAAAAACATTAAACACAGTGGGAATATCACTTTTGATGAGATTGTCAAC
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GGGGGAcctggcCccaGTCAGTGGGGCTGTAATGTTGATGGGCCGCCATCcctCATGACATCATCGATGAC
ATCAACAGTGGGTGCTGTTGGAATGGCCCCAGCCGTAAGTtAcATTTTCATTGTTACAGTAGGGGTGAAAG
GGGGGCCGCCCAGTGTATTCACAGAGATAAGCTGGGAAGTTTTGGAAATGGTTACTGGTGGGGTGGGATAA
TCCTTTTAAACTTTTTACTGATTTTTTTTTCTTTCCCACAGAGTTAAGCACAAAGGAAAACATTTCAATAA
AGGATCATTTGACAACTGATGAAAAAAAAAAAAAAAAAAAAAAAAAAAAattAAAAAAAAAAAAAA
Table3 3622
NNNCGATTAATCGATTCCTAAAGATTTGGCTCGAGGCAAGATGGGGCCAGGGAGGATGAAGAAAG
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CGCTTATTCGGTATTGGCCATGGCTCCTACCATGATCCCAGAACCCACACACTTACATGCGGATTCCAGAG
ACTGTCCAACTGAAAACTATAACAAGATCATCTTTGCCCGCAAGCCTATGATGAGGATGCTCCCTACAGTT
CGCTACTGACCAACAAGGAGAAACATGCAAATGTTTTAGCCAGGGGTCCCTGCAGCCATTCCCCAAGAACG
TACAAAAGTTAAGCTCCATTTACCACTCACTTGACAGTGTCCTTTAAATCTGAACTTGCTCTTGCTCATGC
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CTGCTCTCTGGTGGGTTTGGGCAGTCCCTGGCTCTAGTCTCTGCTGCAGATTCTCAGGACCAAAATGTGGG
TGATTTGTCTGGGTCCAGGCAGGAGACAGAAATCACACAAGCTCTTTTATTAGAGATAATATAAAGAATGA
TTAACCAGGTGACAGTAAAGGGCAGGAAGGGAATACAAAGGTATCCATGGAGGTAGCACCACAGGAAGCAG
GCATCACACTTGAGGCTTGGGAACAAGGGGAAGATGCTGGACTCATTGAAAGGTGGTTGCTTGGAGAAGGG
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AGGGGACCCCCATGAGGCTGCTTTTGTGAGTGTTGGAAAAACCAAAAACTGCATTGAAATGTTTCTGGGAG
GAGTTGCCACTGCCTGGGTGAAGAAAAAGCACTGCTAGGGTTAGCAACCTGTCTGGCAAGGGACAGGAAGC
TGATAGAAAGTGAACAGGAAGCAAACAGGAAGTGAGCAAGGGGCCACTTCCTACTTCCTCCTTTAGCCTAG
CAGATTCCTTCTAGCTCCCCCTGGGGGCTGAGCCTATCAGGGCACAAAGCCAGAATGTGGTTTGTAGAATC
CCAGCCCCAGCATCTCCAAGCATAGGATGGATTTTGAAGCCAAGAGGGAATTAGCTCTCGGCCGGGTTCTG

Table 6
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AGTGATCCCATCCAGCTGCTCCTGGACCTGGTATTGAGAGGTTTTTCCCTTGGAGGGCAAACAAAGTGGCA
GTGGGGACCAGGGTGTCCCCTGCTGAGAAATGGAGAGCTCTTTTCCCCTGTACTTCTCTGGGGTTTGCCGT
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TTGTCTTTACATGCAAGAGGGATCCAATTATGACAGGCTGACCCAGCTGGTTTCATGTTTGGGGTTTATCT
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CCTCACAGAGATGTAGAGGATGAGATGTAGTAACTTATAGCAGTGTCATTTGGAAAAGTTGAATTTGCCCT
ACAAGGCATGTTCTCCATTCAAGGGTCTTGTGTAAACGTTTGCAGACACAGGTGCAGCTTTGGAGAACTCA
CCTCTGGCTCTTGTGCTTTTATGTTGGGACAGCTGCCTAAATTAGGAGCTCTAGACCTGTTATTGGTTCCC
AACTGTTGGCCAGAATGAATTCTTCGAAAAATATAGGTGGTTTCCAGGGAATTTGAATGATTGTATTTTGT
GTCCATGGAACGTTTATAGACATGGAGGCAGGCAATAAATTCCTCCAATAAAAAAAAATAAAGGAGAAAAA
AAAAAAAAACTCGAGGGGGGGCCCGGTACCCAATTCGCCCTATAGTGAGTCGTATTACAATTCACTGGCCG
GCGTTTTACAACGTCGGGACTGGN
Table3 3623
NATAACTCAAAATTGAGACGCTTAGTAGGACCCAAAGATCTTTCCTGGAAACTTTTTTTTGAGAC
GAAGTTGCTCAATCTCCCAGGCTGGAGTGCGATGGAGTGAGACTCGTCTGGTTTAATTGGCTCCAACTCTG
GGCATTATGTTGTTGCTTCCTTTTCTTTCCTTACAAATGGATCTCAAGTATTCTTTTCCTTGCGTAACCAC
GTAGTCCTTCGCCGCATTGGGGCAAAATAATCCCTTCATTTTTGTGAAGGTACCGTGGAAAATATTTCATT
TTTCTTCTCACCGGAGCAATTGTAAATGCTATGCGGTAAGAGGAGTTACCTGTGGAAAGGTGGTTAAGAGA
TTAGGTAAAGAAAAGGAAAGGACACCAAAATAAAGTGCTGCGGAAGAATTTTTGTCCAGCTGTGAGACGAC
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TTCCATACAGTAGTGGCGCCACATCATCCACCAACAATCCAGAATTTGTGGAGGATCTCTCTCAAGGTCAG
TTGCTTCAGAGTGAGTCTTCAAATGCAGCAGAAGGCAATGAACAGAGGCATGAAGATGAGCAACGAAGTAA
ACGAGGAGGTTGGTCCAAAGGAAGAAAGAGGAAGAAACCTCTTCGAGACAGCAATGCACCCAAATCCCCCC
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CCAGAAATCACAAGGATGTTAGGCAATGAATGGAGTAAACTGCCTCCTGAGGAAAAACAGCGCTACCTTGA
TGAAGCAGACAGAGATAAGGAGCGTTACATGAAGGAACTGGAACAGTATCAGAAAACAGAGGCCTACAAGG
TCTTCAGTAGGAAAACCCAGGACCGTCAGAAAGGCAAATCTCATAGGCAAGATGCAGCCCGGCAGGCCACT
CATGATCATGAGAAAGAAACAGAGGTAAAGGAACGGTCTGTTTTTGACATCCCTATATTTACAGAGGAATT
CTTGAACCATAGCAAAGCTCGGGAAGCAGAGCTCCGCCAGCTTCGCAAATCCAACATGGAGTTTGAGGAGA
GGAATGCAGCCCTGCAAAAGCACGTGGAGAGCATGCGCACAGCAGTGGAGAAGCTGGAGGTGGATGTGATC
CAGGAGCGGAGCCGCAACACAGTCTTACAGCAGCACCTGGAGACCCTGCGGCAGGTGCTGACCAGCAGCTT
TGCCAGCATGCCCTTGCCTGGAAGTGGAGAGACACCTACAGTGGACACCATTGACTCATATATGAACAGAC
TGCACAGTATTATTTTAGCTAATCCCCAAGACAATGAAAACTTCATAGCTACAGTTCGAGAAGTTGTGAAC
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GAAGCCATCCATGGAAATTTGAACTGAGTGGGGGCAGAGAAAGAGTGCAGATCCCTTTGCTTGTGAAAGAA
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CCATTTCTGTTAAAGTGGATCTGCATATCTTCAGCTTACTAGGTGACCCGGATGCTGACATCTGCTGCTGC
AGAAAGGAAGACTTTTCATTGTAATTTCGCTTAGACCCTTTTATCAGTGGAGCTCCAGTTTTCTTACCTAG
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AAGGCTGTGTTTCCTACCCCACACGGTGCTCAGTGGGTGCCAGCCCTCAGTGTGGCTTTGTGATTGCTGCC
CTAAAGGAGAATGCTCTTTCCTTCCTCACTGGTACTGCCTGCTGTTTTCTAAGCATTGCTCCTGCACAGAC
ATGGAGTCCCAGCCCCAGCAAGGCTCTTCTGTTCCCATCTGTTGACAATGTCTTGTGGAGCATTTTTGCTG
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CTGAGGGAATTCCTGTCTTCTTTAGGAGTAATGATTCATAGATCTAGATAGGTGGAAATATCATTCAAAAT
AGTCACTTGAGCTCACAAAAAAAGCAAGGAAGAATTCTCATGTCCTTTGTCTTCCTTCTGTAGCCATTAAC
TGCTGAATCCATGTGAGGAAGACAGGCTTCCCTTCCTTCCCCCTCCTTAGTGATTTTTTCTTTAACAGCAT
AAGTAAAGAGGACTTTCTGGTTCATTTTTGTTTGTTTTGTTTTGTTTTGTTTTGTTTACAGATGAGGTCTT
CCTGTGTTGCCCAGGCTGGAGTGCGGTGGCTATTCACAGATGCTATCATAGCACACTACAGCCTACAACTC
TTGGGCTCAAGCATCACGCCTAGCAGTTTCTGGTTCCTTTAACAGCAAAAGGAAAGAGAGGTTCTGATTCT
TACCTCAGGGTTTTTTGGTTGTTCATTGTTTTTGTTTTTGTTTTTGTTTTGACACTGCAGAGCACAAGGCT
AAAGGTTACAGCTGAGATCTTTGGAACCAAAGGCAGAGCAAGCAGAGCCCGTTGTCTGGGCCCCACACCAC
TGCAGGCAGGTGGATAGAAGTGCGGCCCCTCTCATAGTATGCCCATAAGTCAGGGCATAGGGCAGAACTAC
CTGTCATGTTGCTACACCATCCTGTCTTCTCAGCATCTCCTTGCCTGTTTTCTTTATTAGTCCAAAGGAAA
ACAACAGCAACAAAATCTGTTTTTAAAATGTCTTATATGAACATATATCAAATATCCATGCGCTGAAACCC
ACATACCATCACTTGGCAATTTTTTAGAATAAGACCCCATTATTATCTATTGCTATAAACCTAGCCAGTTC
TCTTGCTCTTCTGTATTTTCCTATTTCCCTGCCATCATCTGCTATTTCTGCCACTTCTCTTAGACTCCTTG
TCTGCAAAGCCCAAGCTAGAACTCACTGTCTATGGCAGAAGGACATCCAGAGCCCATTCTGGAGTTTTGTT
TTTTCCTTCTGCCAGATGCTTTGTGTCCTGTCTTCCTTCCTCCTCATATTTCTGTTTCTCATTTGTGTTCA

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GTTTTGTGCAGCATTGCTAGCACTGCTTTTGTGACCAGAAAAGGCCATAACATGGTCCAGGATCATCATTC
TTCTGACTCTAGATGGGACACTTGACAGTGACTTGAAACATTTGCATATTCAGGAATGCATGAGATTTCAA
GAGAGCCTACAGTATGAAATCATTTTCACAAAATAAGCAGCTTGCTTCTGAAATGCTGTCTTTCCCAGTAG
CTACTCACCTGCCTCTGGTGGCTGGGATTCAGATGCCACAAAACTGTCAGTATCTATAGACCAGGTCTGTG
CCACCTCCTCTCTCCTCTGTGCTCAGTGAGGAGGCAGTAAATGAAGTTACAGGCTAGCACAATACCTAACT
CATGTTTCCCAGTACACCTGTAGATATTACTGTACTTTTATGTTCTCAAGAAATAAGTTGTTGCCTATTCA
GTGTTACAGATTTCTTTGTTTCTTTTTAATTAAAATACAAGAAGCAGCTGAGGAAAGGGAGACAAGGTATT
TTATTTCTGACTGATTTTAGAAAAAACTTGTGTACATGTGTTTGGAACTGTTGAAATGCCAAGTTTTCTGT
ATAAGTGTTTTTGTAATTAAACTTTCAGATTTTCTTTGTTTTTTAAGAAGTTGATGTGCTTGTTTGACATT
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TCCCATTCCCACATCTCCCTGGCCCCTCCTCTTCCCCTCTCTCTCCCCNNN
Table3 3625
NNAGCGACAGCGCTTGCCTGGAGCTCAGCGCAGAGAGTCGAATGATCTTGGATGCCTTTGCCCAG
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GATTTCTTGCGTAAAGCAGGAAGGCTCAAGTTACAACGAAAGACAGGAGCACTGTCACATTGGGAAAGGGG
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GTCAGCCAGTGAATATGGCCATCTGGCCGACGTGGATCCTCTGTCAACCTCTCCTGTGCATACATTAGGTG
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TGGGAGACGGCTCCTTCGATACCTCATCAGATTTGTTTTCACAACCGATGAGCTTAAGTACCTCGGCCGCC
ACCGCGGGGAGCTCCAATTCGCCCTATA
Table3 3626
CGCGTCCGCTTGAACTTCTGACCTCAGGTGATCTGCCCACCTTGGCCTCCTAAAGTGCTGGGATT
ACAGGTGTGAGCCACTGTGCCCGGCCACATACATCTTTCAAAAAGAAATACTAGTGAGAAGGGCCATCCAC
TCTCCGTACATCCTCTCCTGTGATTTGCTGTGAGACGTATGGCTGCCTTTGGGAAGCTCCTTGTATGAGAG
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GTCTCTGCCCCTCACCTCACCTCTAGATTAAAGTTGTCTCCCAGTGAGGAAACACTCTCCAGAAGGCATGT
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ACCCCCAGCTGCCCTGTCAAACCCTGTTCCTGACCGATGAGGAGAAGCGTCTGCTGGGGCAGGAAGGGGTT
TCCCTGCCCTCTCACCTGCCCCTCACCAAGGCAGAGGAGAGGGTCCTCAAGAAGGTCAGGAGGAAAATCCG
TAACAAGCAGTCAGCTCAGGACAGTCGGCGGCGGAAGAAGGAGTACATTGATTGGGCTGAGAGCACCAGGG
GGGCCAGCCCGTTCTGCACAGAACCAAGAATTACAGAAAAAGTCCAGGAGTTGAGAGGACCAGCAN
Table3 3627
NNNNNNGGGCCTTTGCAATCTCCACGTTGCGATGGATCCTTGGACCCACTTTTGTTAACTCTTAA
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GTGTATCAGGCAGGTTCCCCTACATCTTTGGCACCCAACACGGTCTCCTTGAACCCAGGTGAAGTTACACC
TGAGCGTGGTCGTTGTGAAGAACGGTCTGTCCAGGAACTCCCGAGAACGTGTGGTCGGCCTTGCGGTAAGC
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ATTCCTTGAGGACCCCGGGACCTTCAGCGGCTAAAAAGAAGCCTTATGCACAGAGTTAACCAGACGCCTGG
GAGCGCGGCCCAGGACACCGGGGCCCAAAAGAGAGGGCCGGGGGGCACCACGCCCCAAAATGGCCCCCACG
CGGGGGCCCAAGGCGCCGTGACCAAAGGGGAGCGCGCGAN
Table3 3629
AGATGGTGTATGAAGGAGTTGGAGTTGTTGAAACCAAGGTGTCCATGATCCCTCCCCACTGACCT
TTTCTAAGAAAATTCTTGTGCCCGCATTGGTATTAAATCCTCGCATTCAGTCNNNNNNNNNNNNNNNNNNN
NNNNGCGGGGAGAGCCACCGTCTCTCCAGACGCGGCCCCAGCGCCCACTGGGGATGGCAAAGACGACATCC
GGTGCGCCGAGGCTGCTCACAAAATCTGCCCCCGCAGGTTGAGAGAGGAGGGGATCCAATTGCCTGTGAGG
AGGACACGGCTCCTGGGTGGACCCTGCAGATTGTGAAGTTCAAGTCACAGCTCCTGGGAAGGTCTCTGTGT
GTAAAGATCATGGGGGTGAGACAGATTCAGGGACCACACTCTGCTCTGCTCTGGACCTCGGCCGGCCGCCC
CGGCGGCCTTGTGACCAGGACACTTAGAAGAAGCATGGACCCTGCAAGAGGGTAGGTTCGGAGAGTGAGAT
GAGCACGCTTGAGGGATTAACGTGTAACTTGAACCACTGCCTCTGTCTCCCAAAGTGCTGGGATTACAGGC

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CTGAGCCACCGCGCCCGGCCAGGTGCGTCCTTCTTTCTCCCTTTCCAGGGAGAATGCTCTGCTCTTCTTCC
TGCTGGATCCCTCCTCTACCTGCTTCTCTCCCACCTACTGCANNNNNNNNNN
Table3 3630
AAACAGGAAAGGTAAGTGGCCTAAAATTTTTNTAGTATTTTCAAAATGACCCAGTTACAATAGGA
AATTTNTTCTTGTACTATTGTCACTAATCCCGACTCAATATCCTTTAAAGGACAAAGATGCATGCATAAGT
AAAANTATGACAGGTCACAATCACGCCGGGGTGGTCCTGGGGCGAGGCCCAAGTTCCCTGCACGCGCCGGC
ACAAGCACACACACTGTGACGGGGAGGACGTTTACGTACCATGTCCACACCACTCCAGACTTGGTGAGCGC
CAGTAGGAACTGAGCTCCACACTCAATCTGGCACGCCCCCTGTCCATTTAGTCTCTCAATGTTCTGGGGAA
TGTTGCAGCCTTCACTTCCGCCCCGGCCCAATTTTCCAAAGTCACCATCACCCCAGGAAAATACCAAACCT
AGGTTTAAAAATAGGGAAGGGAAGGGAGAGAAGAAAGGAAAGATAAAGAAAGCCCAACCTCCTTCCAAAAT
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CATTTTTATATTTTCCTTAGTATAACAGTTAATATAATATGTCATTTTTGTTAATAGTGTCTTTTTGTCAT
TTTACTTTTTAAAAGATTTTATTGAAATATACATACAGGAAAGTGCATCTATCATAAGTGTGCAAATTGAT
GAATTCTAAAATCTTTATTGTACCTGTTTAGCACCTAGATTGACACTGAACATAACTAACAACCAGAAATC
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CTCACTCTCATTTCTATATNGGATTATATTGCATAAACGTACCACACTTTATCCAACTACTGTTAAATATT
TGTGCATTTTCTACTTGGGGGTGATTTCAAATAGTGCTGCTATGAACATTCTTGTAAATGTCTTTTGGTGA
ACATATGCAACACATATATGCGTTGTTGTTGGTTCCCAGGAGGGGCATTCCTGGGTCATAAACAATGCGTG
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TATTGAAAAAGAGTTCTGTTTGCTCCACATTGTCACCAATACTTGATATTTTCTGTTTTTTTTTTCTTTTA
AACCGTACTAGTGGGTGTGCAGTGATATTGCAATGTGGTTTTAATTTGCATCTTCCTTGTGACAACCTTGA
TTACTGTAAGCCACTTGGAAATGTGATTTAAATTCATATAAAGATATAGTAGCAAAACGCATACTACGTTA
CTTTCGTATCCAGAAAGTTTAGATAGAATGATTTCTATGTAAGCTTTTACTGTGTAGTCTGAGTCCATGAA
TATTGATTACAAAAAACACATCTGTAGGTGAGTTACAATACCTCACTTATAATTCCAAATTCATGTTGTGT
TAGCTCAATATTTTTCAAATAATTTTTGCATGCAATTTTCACCTTCTTTCTGAGTAGT
Table3 3632
NNCCTGTATAACGGGGTGCTCAAACACCAATTTTTCTCAGGATTACTGAAAAACTTAAATATACA
GGCCAGGTGTGGTGGCTCACTGCCTGCAATCCCAACATTTTGGGAGGCTAAGGCGGGCCGATTTCTTGAGC
TCGAGTTTGAGAACAGACTGTGCAACATGACGGCTCCACGGAGCTTTGCCACTTGTACCCGAGTTTTTGAT
TCTCAACATGTCCGAGACTGCTCCTGCCGCTCCCGCTGCCGCGCCTCCTGCGGAGAAGGCCCCTGTAAAGA
AGAAGGCGGCCAAAAAGGCTGGGGGTACGCCTCGTAAGGCGTCCGGTCCCCCGGTGTCAGAGCTCATCACC
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CGGCTATGATGTGGAGAAAAACAACAGCCGTATCAAACTTGGTCTCAAGAGCCTGGTGAGCAAGGGCACTC
TGGTGCAAACGAAAGGCACCGGTGCTTCTGGCTCCTTTAAACTCAACAAGAAGGCAGCCTCCGGGGAAGCC
AAGCCCAAGGTTAAAAAGGCGGGCGGAACCAAACCTAAGAAGCCAGTTGGGGCAGCCAAGAAGCCCAAGAA
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AGAGCTGGATAATTTTTTAAAAAAAAAAAAAAAAAAGACCTTGGGGGATTTGTTGCGGTGGGAAAAAAGGG
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Table3 3636
NNNNGGCCCTCGAGGCCACGCGGGGAGGGTAGAGTGAGAAGCACCAGCAGGCAGTAACAGCCAAC
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AGCTCCAAAACAAACCAGAACAGTCAGCTCCGGGGGAGCACGACTGGGCGAGAGGCACAGAAATGGACACC
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GTATCCAGAAATGCCAGGCATGCTGATGGAGTTTTCACCAGTGACTTCAGTAAACTCTTGGGTCAACTTTC
TGCCAAAAAGTACCTTGAGTCTCTTATGGGAAAACGTGTTAGCAGTAACATCTCAGAAGACCCTGTACCAG
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GCAACATAATTAAATTTTGAGTTCTACATAAGTAATTCAAGAAAACAACTTCAATATCCAAACCAAATAAA
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TAACAATGAAGATAAAAAGACATTCTTCCAAAAAGATTTTCAGAAAATATTATGTGTTTCCATATTTTATA
GGCAACCTTTATTTTTAATGGTGTTTTAAAAAATCTCAAATTTGGATTGCTAATCACCAAAGGCTCTCTCC

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TGATAGTCTTTCAGTTAAGGAGAACGACCCCTGCTTCTGACACTGAAACTTCCCTTTCTGCTTGTGTTAAG
TATGTGTAAAATGTGAAGTGAATGAAACACTCAGTTGTTCAATAATAAATATTTTTGCCATAATGACTCAG
AATATTGCTTTGGTCATATGAGCTTCCTTCTGTGAAATACATTTTGGAGACACAACTATTTTTCCAAAATA
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NNNNNNNNNNNNNNNN
Table3 3637
NACGAGTTGGTTTGGGAGCTGCCAGTCTCCTGGGAGGATCGCAGTCAGCAGAGCAGGGCTGAGGC
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CCTTCAACTGAGGGCGCACGCGGCCGGCCGAGTTCCGGGCTGCGCAGCTCCAGGCCTGGGCCACTTCCTTC
AAGAAAACAAGCAGCTTCTGCGCGACGTGCTGGCCCAGGACCTGCATAAGCCAGCTTTCGAGGCAGACATA
TCTGAGCTCATCCTTTGCCAGAACGAGGTTGACTACGCTCTCAAGAACCTGCAGGCCTGGATGAAGGATGA
ACCACGGTCCACGAACCTGTTCATGAAGCTGGACTCGGTCTTCATCTGGAAGGAACCCTTTGGCCTGGTCC
TCATCATCGCACCCTGGAACTACCCACTGAACCTGACCCTGGTGCTCCTGGTGGGCGCCCTCGCCGCAGGG
AATTGCGTGGTGCTGAAGCCGTCAGAAATCAGCCAGGGCACAGAGAAGGTCCTGGCTGAGGTGCTGCCCCA
GTACCTGGACCAGAGCTGCTTTGCCGTGGTGCTGGGCGGACCCCAGGAGACAGGGCAGCTGCTAGAGCACA
AGTTGGACTACATCTTCTTCACAGGGAGCCCTCGTGTGGGCAAGATTGTCATGACTGCTGCCACCAAGCAC
CTGACGCCTGTCACCCTGGAGCTGGGGGGCAAGAACCCCTGCTACGTGGACGACAACTGCGACCCCCAGAC
CGTGGCCAACCGCGTGGCCTGGTTCTGCTACTTCAATGCCGGCCAGACCTGCGTGGCCCCTGACTACGTCC
TGTGCAGCCCCGAGATGCAGGAGAGGCTGCTGCCCGCCCTGCAGAGCACCATCACCCGTTTCTATGGCGAC
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CAGCAGACAGGTTGTGAACCAGATGCTGGAGCGGACCAGCAGCGGCAGCTTTGGAGGCAATGAGGGCTTCA
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GATCCGCTACCCACCCTATACCGACTGGAACCAGCAGCTGTTACGCTGGGGCATGGGCTCCCAGAGCTGCA
CCCTCCTGTGAGCGTCCCACCCGCCTCCAACGGGTCACACAGAGAAACCTGAGTCTAGCCATGAGGGGCTT
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ACTGCATCCTGCCTGCCAGGGCTGCAAAGCAAGGTCTTGCTTCTATCTGGGGGACGCTGCTCGAGAGAGGC
CGAGAGGCCGCAGAACATGCCAGGTGTCCTCACTCACCCCACCCTCCCCAATTCCAGCCCTTTGCCCTCTC
GGTCAGGGTTGGCCAGGCCCAGTCACAGGGGCAGTGTCACCCTGGAAAATACAGTGCCCTGCCTTCTTAGG
GGCATCAGCCCTGAACGGTTGAGAGCGTGGAGCCCTCCAGGCCTTTGCTCTCCCCTCTAGGCACACGCGCA
CTTCCACCTCTGCCCCATCCCAACTGCACCAGCACTGCCTCCCCCAGGGATCCTCTCACATCCCACACTGG
TCTCTGCACCACCCCTCTGGTTCACACCGCACCCTGCACTCACCCACAGCAGCTCCATCCACTGGGAAAAC
TGGGGTTTGCATCACTCCACTGCACAGTGTTAGTGGGACCTGGGGGCAAGTCCCTTGACTTCTCTGAGCCT
CAGTTTCCTTATGTGAAAGTTGCTGGAACCAAAATGGAGTCACTTATGCCAAACTCTAATAAAATGGAGTC
GGGGGGCCACATAGAAGCCCTCACACACACATGCCCGTAACAGGATTTATCACAAGACACGCCTGCATGTA
GACCAGACACAGGGCGTATGGAAAGCACGTCCTCAAGACTGTAGTATTCCAGATGAGCTGCAGATGCTTAC
CTACCACGGCCGTCTCCACCAGAAAACCATCGCCAACTCCTGCGATCAGCTTGTGACTTACAAACCTTGTT
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Table3 3638
NNNNNNGGGCCTTTGCAATCTCCACGTTGCGATGGATCCTTGGACCCACTTTTGTTAACTCTTAA
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GTGTATCAGGCAGGTTCCCCTACATCTTTGGCACCCAACACGGTCTCCTTGAACCCAGGTGAAGTTACACC
TGAGCGTGGTCGTTGTGAAGAACGGTCTGTCCAGGAACTCCCGAGAACGTGTGGTCGGCCTTGCGGTAAGC
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GAGCGCGGCCCAGGACACCGGGGCCCAAAAGAGAGGGCCGGGGGGCACCACGCCCCAAAATGGCCCCCACG
CGGGGGCCCAAGGCGCCGTGACCAAAGGGGAGCGCGCGAN
Table3 3639
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG

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GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
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TTACCACAGCTACAACAACATGTACCTGTATTAAAAGATTCCAGTCTTCTCTTTGAAGAATTTAAGAAACT
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GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table3 3640
ACATGGTAAAAAGTTGTGGCAAAGATGGCTTCCATATCCGGGTGCGGCTCCACCCCTTCCACGTC
ATCCGCATCAACAAGATGTTGTCCTGTGCTGGGGCTGNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
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TATTATTTATTGGAAAACTTCGGTACCTAATACAAAAGTTTGATTGTTTCAGTGTGTACCTGGTAAAGAAT
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GTCATCTGTGAACATCTTGAGCTGTGAGCTATTAAGTGCATGTTTCCCTCAAGGCCCTCTGGTCCATTCTG
GACTAATGTTGAAAGATGGGATGGATTGGCATGGAACTGTTGGGGTGATCAGACCCAACACCGGGCTGTGG
GGGCTAAGAAGTCCAGTGGAGTCAAAGGAATGAGAAAAGACAAGTTAAGAATGCATAAGGTGGGTCCAGGG
GGCCAACGCTAGTATGGAGGCTGCAATAGACCTGAGCTCTGGAAGCCCACACTATTAGTGATCAAACAAAG
CACCAGGTGGTGAGGATGTGGGGTTTGAAAGG
Table3 3643
NNAGTGTGCGAGGGGAACAGTGTGAAAACCTGGCTAAAGGGTTTGGGTGGAGACCTTTGTGAGAG
TAGAATAGGATTGGGATTATAGGTGTCAAAGCCAGTGAGCATCTCACCCCTCCGTTCCCTTCTCTACGCCA
CCCTGTCCCTCTCCGAACCCTGCCTGGAGACACTGGATCATCATTTCTGGGACCATGTCATTCTACTTTTG
CTTGTGTTCCTTCCAGTCTGCCATGCACGGACTGATCATGGGCGGCCTGGAAGTGATCTCAATCACAGACG
ACACCCCAATCCCACACAACGGCTGCCGCCCCAAGAAGGCTCGGAAGCTGTGATGGGAAGGAGGCCN
Table3 3644
ACCATTTATATTCAGCTGTCTGCTGGGCAGGTCCAACTTGGCATTTCTTGGCTGTATCTCTGAAG
GAAAGTCATCTTAATCTCTATGAGCCTCCATTTCCTCAGCTGTAAAATGGGAAGATCTTCCTCACACTGCT
GTGAGGAAGCGGATTTTCTGACGCATATGAAGAGTGAGAACTGTCTACATCTAAGTCTTCTTTGAGAACAA
TACCAGCTGAGCGGCTATTTACATTCCAGCTTCTTTTGAGAATCTCTGAAGATGATTAAGTCATTGTCAGC
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CTTTTGAAACTGGCACAAAGGCACTGGAGAGACTGGCAGGGCCCCCTACTTGACGATCTGGCTCATCCATC
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CTGCTGGCCATGGACAGTAAGCTCCATAAGAGACTAATTGTGCCTGGTTTGCTTATAGGCTTATCCTCAGC
ACCTGCACCAGCCTAGAATATGATTGGCACTCTATTAATTAAAAGTTCCCAGGTAAATGAATTAGTGGATT
CTCTGTTTCCTCCACTATGCCACAACTCCTTAAGGGCAGAGATGGTGTCTTCAAAAAAAAAAAATTTCGGG
TCAAAAACACATAAGATCTACCACCTTCACCATTTGTGGTGTCCAGTCCAGTAGTATTACCTACACTTCAC
TTTTGGGACTACCCAAACAAACAGATCGTGTCTTTTAACATTCTTTAGGGACCCCAGGCACCACGGTGGTC
TGGCACCCATAATCTTAGTAAACACTGGCAGAGACACATGCGCTTTGGGCCAACGGCCCAAAAACACACAG
GGTTCAGGTGCCATCCATAACACACGCCTTTTACAACACTCCACCGGGGGGCTTTAACAAACAACCCTGGA
ATTGAACGGCTGTTGAAGTCTAGACGAAACTGGCGCTCCACACGAACAGGTTACAAGCATAACGCTAGTTC
AGAAATCAGGGCACATCACGGCCAGGGCCACGGAGGGCTCAACACCTGGTACACCCCCAGCAACCTCAGGG
GAAGGCACAGCGGGAGGACAACTCGACGAACAGGCGCTCGAAAAACAGCCCGGGGCACATGGTGGCGTGAA
AATCCCGACCAAGCCAAAAATATCCCGGCAAGGCGGAGCGGGCCCGTGGCCCAGAACATGTGGACGCGTAG
GGCATAGCAACTGGTGTGGTACCGTGTGAACGAGTCGAGTACACGAAAGCGCAAAACACCACACTGATGAA
AACGCACTCGCTAAAAAAAAAACAGAAAAAGTGTAACACGATCTGTGTCGCCCCAATACGACCACAAACAAG
AGCGCAACGACANNNN
Table3 3645
NNNNGGTCTCTGTGTTGGCTGTGATCCTGTTCTCGCTCCGTGTTGTTTCGTTGTTTTCCTCCTTC
CTTGCTTGCCTGTGGTGTCGTCGTCGCCTTTGTCGTTTCTCTGTTTCGTTTTGTCTGTCCTTTTGCTGTGC
GTTGGTCGTTCTGTCGTCCTTTGCGCGTTCGGTCGTGAGTTCTTCGCTGTGCCCCGCCACGCCGCGTGGTT
CGTCGCTGCTTGTTGGGGTGTTTTCGTTTGGTGGGTGTTTGTCTCCGAGATTTGGTTTGTCTGTCGTGGGT
CCGTCGGTGGTTGAGGGGCGATGCTGTTTCTGGTGGTGCAGTCGTCCGAGGGCTGGTGCCGGAGTCGTTCG
GTGCCATGTGTTGATAGTGTAGCTTGCTTGTTGTGTGTGGGTGCGTGGTGTGTCTTTTCTTTGGACCGATT
TTGTTTAGCCTGATTGAATGTCGGCTCTGTTGCCTGGCTTTCGGGTGGTGAGGAGAGTAAGAAGCGCCCAG

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GCGAGGACCTGGCTGTCGTCCCCAGAGTGAAAATGACTGTGATGCCGGATGTTCTGCAGCAGCAGCTGGTC
CAGGAACTCCAGGGCCTTCTCCTGCACAGTGCTCTCGCAGTCCATCACCACCGGGACCACCCCCCGCAACC
AGGCTTTCTGGATCTGCACGCATCTAGGCTGAGCCATAAGGAGTTCAGTAAGAGACTGGAGGGCCTGCTTC
CGGACAGACACTGCAGGGTCCCGACACTGGTCCTGCAGAATCCACAGGTCTTCCTTCATGCCTGAGACATC
ACAGTGTTTCAAAATACTCACTAATACCTGCAGTGCAGACTTCCTAACGTTGGTCTTCTCATCCCTGATCC
TCCTTCTCAGCATTGCCATGACACATCTTTCTCCAGATCCAACTGTTTCACCACTGCTGTCTATGTTGATC
TCCCCTGAGGGTTCGGAACGGTTAGATGTCTGCCTTTGGTAGGAAAAAGCTGATGAATTTCTCAGTAAGGT
ACCAGGCTGACTCTCTATTACAGATAACGTAGGACTGTTAATCAGGAGCTCCAGGATACTCTCCGACGCAC
TGGTAACAGTCAACTCCAGACAGTGTGCAAAGCTGGACAGTGCCTTGCTGCGGACAGTAGGCGCCTTGTCT
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GGTGTTATCCACCTCTCTTTCAGGCAGTTCTAACAGAGCTAAGACAACATCAAGAGTAAAAACCCGGTGTG
GGATCTTGGAACTTCGGGAGTATTTGTAAAGCCAGGCAATGAACATAGCGCGGACGCGTGNNNNN
Table3 3647
NNNNGGCCCTCGAGGCCACGCGGGGAGGGTAGAGTGAGAAGCACCAGCAGGCAGTAACAGCCAAC
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AGCTCCAAAACAAACCAGAACAGTCAGCTCCGGGGGAGCACGACTGGGCGAGAGGCACAGAAATGGACACC
AGAAATAAGGCCCAGCTCCTTGTGCTCCTGACTCTTCTCAGTGTGCTCTTCTCACAGACTTCGGCATGGCC
TCTTTACAGGGCACCTTCTGCTCTCAGGTTGGGTGACAGAATACCCTTTGAGGGAGCAAATGAACCTGATC
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GTATCCAGAAATGCCAGGCATGCTGATGGAGTTTTCACCAGTGACTTCAGTAAACTCTTGGGTCAACTTTC
TGCCAAAAAGTACCTTGAGTCTCTTATGGGAAAACGTGTTAGCAGTAACATCTCAGAAGACCCTGTACCAG
TCAAACGTCACTCAGATGCAGTCTTCACTGACAACTATACCCGCCTTAGAAAACAAATGGCTGTAAAGAAA
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GCAACATAATTAAATTTTGAGTTCTACATAAGTAATTCAAGAAAACAACTTCAATATCCAAACCAAATAAA
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CAGTGTGTCTAAATTTGAATGTTAAGCAGATGGAATGCTGTGTTAAATAAACCTCAAAATGTCTAAGATAG
TAACAATGAAGATAAAAAGACATTCTTCCAAAAAGATTTTCAGAAAATATTATGTGTTTCCATATTTTATA
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AATATTGCTTTGGTCATATGAGCTTCCTTCTGTGAAATACATTTTGGAGACACAACTATTTTTCCAAAATA
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NNNNNNNNNNNNNNNN
Table3 3650
ACTCTTTCTCTTCATTTCTCAGCCGGCTGACACTTACAGAAAATAGAAAGAACGTGCGTTGAAAT
ATTAGGGGCAGGTTCCCCCAATATCTGGCGCCCAACGTGGTTTTCTTTTTCCTAAGTGCATGTGGGAACCC
GATTCCCTTTGGTAGGTGCGGAGAAATGTTCATCGGTCCAGTCCACAGAAATGCTTGTTCGGCTCCCCGAC
GATTGGTGAGTTGTCTGTGTATTGTCCGGGGTAACTATGGGTCACGCAGAGTCTAAACATTATGCTTATCT
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GCAGTGGAAGAACACTGTCCTTGGTTTCCTGAAAAGGGAACGTTAGATGTGGAACTATGGGATCATGTTGG
TGCAAAATTCCGAGAACTGGTCCCAACAGGAAATTATGTTCCTGTCACTGTTTGGGGTGATTGGGCCTTGG
TCATGCCCACNNNNNNN
Table3 3651
AAGCTGGAAATATTTGACCTTATACACAATACTCAGGAAGATTTATTACATGGTGGGACTATTCC
AGTTGAGGCCTAATCAGCTCTGGCTTGGACAATTGCAGCTGATTCCTGTCTGTGCATATTTGGGTGTCTCT
GGCCTCTGGACTTGATGAAATGTGAAATTTCGTTAACTTTTAAAGTAACTACAAAATCCAACTAAATAAGA
GAAATCACAACAGACACCAAAGCAAACAGTAATTGGTTTAAGTTCAGTAGAAGAAGTAATAATATCAAAGT
TCTACTTGTAGATATCTTTTACCTCCTTCAGTGGCTGTATTCCGAGCGAGAGGAAAACTTCTGGATGGGCA
GAGCTCCCAGTAATGGACTTGGTCAGCCATTTTGTATGGAACGAGAAACAGCCTGAGTCTTCCAGAATCCT
TGTGCCAAGAAACCAGCAGGGAAGGAAAGGAGGCACCACCCTGGAAGAGATGGAATTTCACTCATCGCCCA
GGCTGGAGTTCAATGGTGCAATCTCTGCTCACTGCAATCTCCGCTGCCCGGGTTCAAGCGATTCTGCTGCC
TCAGCCTCCCAATGGGTGTTGACTAATGGATAGTCACCCTGTTTTCACAAAAAGGAGCCAGGAAATGGATG
GAGCCATTGACAGAAGTTTTCTTCAGGATCCTGGAGAGCATGTGGGACAGCAGTAGT
Table3 3652
NNNNGGCCCTCGAGGCCACGCGGGGAGGGTAGAGTGAGAAGCACCAGCAGGCAGTAACAGCCAAC
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AGCTCCAAAACAAACCAGAACAGTCAGCTCCGGGGGAGCACGACTGGGCGAGAGGCACAGAAATGGACACC
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TCTTTACAGGGCACCTTCTGCTCTCAGGTTGGGTGACAGAATACCCTTTGAGGGAGCAAATGAACCTGATC
AAGTTTCATTAAAAGAAGACATTGACATGTTGCAAAATGCATTAGCTGAAAATGACACACCCTATTATGAT

Table 6
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GTATCCAGAAATGCCAGGCATGCTGATGGAGTTTTCACCAGTGACTTCAGTAAACTCTTGGGTCAACTTTC
TGCCAAAAAGTACCTTGAGTCTCTTATGGGAAAACGTGTTAGCAGTAACATCTCAGAAGACCCTGTACCAG
TCAAACGTCACTCAGATGCAGTCTTCACTGACAACTATACCCGCCTTAGAAAACAAATGGCTGTAAAGAAA
TATTTGAACTCAATTCTGAATGGAAAGAGGAGCATGAGGGAGAATCTCCCGACTTTCCAGAAGAGTTAGAA
AAATGATGAAAAAGACCTTTGGAGCAAAGCTGATGACAACTTCCCAGTGAATTCTTGAAGGAAAATGATAC
GCAACATAATTAAATTTTGAGTTCTACATAAGTAATTCAAGAAAACAACTTCAATATCCAAACCAAATAAA
AATATTGTGTTGTGAATGTTGTGATGTATTCTAGCTAATGTAATAACTGTGAAGTTTACATTGTAAATAGT
ATTTGAGAGTTCTAAATTTTGTCTTTAACTCATAAAAAGCCTGCAATTTCATATGCTGTATATCCTTTCTA
ACAAAAAAATATATTTAATGATAAGTAAATGCTAGGTTAATTCCAATTATATGAGACGTTTTTGGAAGAGT
AGTAATAGAGCAAAATTGATGTGTTTATTTATAGAGTGTACTTAACTATTCAGGAGAGTAGAACAGATAAT
CAGTGTGTCTAAATTTGAATGTTAAGCAGATGGAATGCTGTGTTAAATAAACCTCAAAATGTCTAAGATAG
TAACAATGAAGATAAAAAGACATTCTTCCAAAAAGATTTTCAGAAAATATTATGTGTTTCCATATTTTATA
GGCAACCTTTATTTTTAATGGTGTTTTAAAAAATCTCAAATTTGGATTGCTAATCACCAAAGGCTCTCTCC
TGATAGTCTTTCAGTTAAGGAGAACGACCCCTGCTTCTGACACTGAAACTTCCCTTTCTGCTTGTGTTAAG
TATGTGTAAAATGTGAAGTGAATGAAACACTCAGTTGTTCAATAATAAATATTTTTGCCATAATGACTCAG
AATATTGCTTTGGTCATATGAGCTTCCTTCTGTGAAATACATTTTGGAGACACAACTATTTTTCCAAAATA
ATTTTAAGAAATCAAAGAGAGAAAATAAAGACCTTGCTTATGATTGCAGATAAAAAAANNNNNNNNNNNNN
NNNNNNNNNNNNNNNN

Table3 3654

NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
CTAAATTGTTTGAGGGTAATGAATGAGAAGAACACAACTGTAAAAGGCCAAAGGACAGAGGGATGGGCAAA
TGAAGGAAAGGCAGAGAGGGAGACCAAGAGCTGAGGGGGAAAATTCTGTGGAGGGGTGTGGGAAAGGGGTG
GAGCTGGCACCCTTGCCTTAAAAGCCGAGGTACGCGGGGACTGACTGGTTGAGCCGGGTAGGGAAAGCAGC
CTAAAGCCCGGGACAGGCACACAGGCCCAGGTGTGTAGGCCACAGCAGCCGCAGTCCTGAAAGGCTGCAAC
ACCCAGACCTCCAGGAGAGACCAGGCCCAGGATGCCTCGCCTGTTCTTGTTCCACCTGCTAGAATTCTGTT
TACTACTGAACCAATTTTCCAGAGCAGTCGCGGCCAAATGGAAGGACGATGTTATTAAATTATGCGGCCGC
GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
TGCTCCTCAGACACCTAGACCAGTGGCAGAAATTGTGCCATCCTTCATCAACAAAGATACAGAAACCATAA
ATATGATGTCAGAATTTGTTGCTAATTTGCCACAGGAGCTGAAGTTAACCCTGTCTGAGATGCAGCCAGCA
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ATTCTCGAAAAAAGAGACAACTCTACAGTGCATTGGCTAATAAATGTTGCCAATTGGTGGTCCCAAAGGTC
TCTGGCTAAATATGGTGAGATGAAGTAATGTGCCCATTTTGTTAATTTCACCATAGTCTGGTGAACTATTC
TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN

Table3 3655

NNNNGGCCCTCGAGGCCACGCGGGGAGGGTAGAGTGAGAAGCACCAGCAGGCAGTAACAGCCAAC
CCTTAGCCATTGCTAAGGGCAGAGAACTGGTGGAGCCTTTCTCTTACTCCCAGGACTTCAGCACCTAAGAC
AGCTCCAAAACAAACCAGAACAGTCAGCTCCGGGGGGAGCACGACTGGGCGAGAGGCACAGAAATGGACACC
AGAAATAAGGCCCAGCTCCTTGTGCTCCTGACTCTTCTCAGTGTGCTCTTCTCACAGACTTCGGCATGGCC
TCTTTACAGGGCACCTTCTGCTCTCAGGTTGGGTGACAGAATACCCTTTGAGGGAGCAAATGAACCTGATC
AAGTTTCATTAAAAGAAGACATTGACATGTTGCAAAATGCATTAGCTGAAAATGACACACCCTATTATGAT
GTATCCAGAAATGCCAGGCATGCTGATGGAGTTTTCACCAGTGACTTCAGTAAACTCTTGGGTCAACTTTC
TGCCAAAAAGTACCTTGAGTCTCTTATGGGAAAACGTGTTAGCAGTAACATCTCAGAAGACCCTGTACCAG
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GCAACATAATTAAATTTTGAGTTCTACATAAGTAATTCAAGAAAACAACTTCAATATCCAAACCAAATAAA
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GGCAACCTTTATTTTTAATGGTGTTTTAAAAAATCTCAAATTTGGATTGCTAATCACCAAAGGCTCTCTCC
TGATAGTCTTTCAGTTAAGGAGAACGACCCCTGCTTCTGACACTGAAACTTCCCTTTCTGCTTGTGTTAAG
TATGTGTAAAATGTGAAGTGAATGAAACACTCAGTTGTTCAATAATAAATATTTTTGCCATAATGACTCAG
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NNNNNNNNNNNNNNNN

Table3 3656

NNNNGGCCCTCGAGGCCACGCGGGGAGGGTAGAGTGAGAAGCACCAGCAGGCAGTAACAGCCAAC
CCTTAGCCATTGCTAAGGGCAGAGAACTGGTGGAGCCTTTCTCTTACTCCCAGGACTTCAGCACCTAAGAC
AGCTCCAAAACAAACCAGAACAGTCAGCTCCGGGGGAGCACGACTGGGCGAGAGGCACAGAAATGGACACC

Table 6
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AGAAATAAGGCCCAGCTCCTTGTGCTCCTGACTCTTCTCAGTGTGCTCTTCTCACAGACTTCGGCATGGCC
TCTTTACAGGGCACCTTCTGCTCTCAGGTTGGGTGACAGAATACCCTTTGAGGGAGCAAATGAACCTGATC
AAGTTTCATTAAAAGAAGACATTGACATGTTGCAAAATGCATTAGCTGAAAATGACACACCCTATTATGAT
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TCAAACGTCACTCAGATGCAGTCTTCACTGACAACTATACCCGCCTTAGAAAACAAATGGCTGTAAAGAAA
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AAATGATGAAAAAGACCTTTGGAGCAAAGCTGATGACAACTTCCCAGTGAATTCTTGAAGGAAAATGATAC
GCAACATAATTAAATTTTGAGTTCTACATAAGTAATTCAAGAAAACAACTTCAATATCCAAACCAAATAAA
AATATTGTGTTGTGAATGTTGTGATGTATTCTAGCTAATGTAATAACTGTGAAGTTTACATTGTAAATAGT
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AGTAATAGAGCAAAATTGATGTGTTTATTTATAGAGTGTACTTAACTATTCAGGAGAGTAGAACAGATAAT
CAGTGTGTCTAAATTTGAATGTTAAGCAGATGGAATGCTGTGTTAAATAAACCTCAAAATGTCTAAGATAG
TAACAATGAAGATAAAAAGACATTCTTCCAAAAAGATTTTCAGAAAATATTATGTGTTTCCATATTTTATA
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AATATTGCTTTGGTCATATGAGCTTCCTTCTGTGAAATACATTTTGGAGACACAACTATTTTTCCAAAATA
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NNNNNNNNNNNNNNNN
Table3 3657
ACGCGGGGAGGCAGCCGGCCAGGGAAGCACGGTCCAGGCGGCTACATTCGGCCCGGCCATGGCAG
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AATGTCAAGAAACTTCAGAAATTTGCCTCCACAGTCAAGATGTGGGTCTTTGAAGAAACAGTGAATGGCAG
AAAACTGACAGACATCATAAATAATGACCATGAAAATGTAAAATATCTTCCTGGACACAAGCTGCCAGAAA
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CAGTTCATTCACAGAATCTGTGATGAGATCACTGGGAGAGTGCCCAAGAAAGCGCTGGGAATCACCCTCAT
CAAGGGCATAGACGAGGGCCCCGAGGGGCTGAAGCTCATTTCTGACATCATCCGTGAGAAGATGGGTATTG
ACATCAGTGTGCTGATGGGAGCCAACATTGCCAATGAGGTGGCTGCAGAGAAGTTCTGTGAGACCACCATC
GGCAGCAAAGTAATGGAGAACGGCCTTCTCTTCAAAGAACTTCTGCAGACTCCAAATTTTCGAATTACCGT
GGTTGATGATGCAGACACTGTTGAACTCTGTGGTGCGCTTAAGAACATCGTAGCTGTGGGAGCTGGGTTCT
GCGACGGCCTCCGCTGTGGAGACAACACCAAAGCGGCCGTCATCCGCCTGGGACTCATGGAAATGATTGCT
TTTGCCAGGATCTTCTGCAAAGGCCAAGTGTCTACAGCCACCTTCCTAGAGAGCTGCGGGGTGGCCGACCT
GATCACCACCTGTTACGGAGGGCGGAACCGCAGGGTGGCCGAGGCCTTCGCCAGAACTGGGAAGACCATTG
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CATTAGCAAAGATGTACTGGGCAGTAACTAAACACACATGCAAACATGTGAATGGTGGTTTATTCCTCATT
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CAAGTGAGTCTGGGAAACACTATGTCTGTACACCTCTTGAAGGTGTCGAATGTATGTTTATACATCAGTGG
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AGTTTTCAGGGAACACTGTTCTAGGCTTAGGTGACCTTAGGATCACTCAAGTAGACCCTTCACTCCCTGCG
AGAAATTAGGATGAATAACTACCTGTGGCATTGTTGGTTCTGAACTTTTACAGTTCAGGCCTGCTGTGAAT
CTTTGATGAAGCTTTAAGGTGACACTGTTGTACAAGATGTCAGCTTTGCTGAAACGCACATTACCTGGAAT
AAGTGCTTTAATTGTAGAATTAGAATGGGATTTACTGTACTGTTTTAAATGAGATTGGCTTCAGAATCCAT
TACAGTTACCTTACATAGCACTTGATACGTGTTAAATGAACATATGAATGTAATTTATATATTCCTAGAAT
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Table 6
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AATGATTATAAAATAGATTTTCATGGGAATTTTAAAAACTCTATCCAAAACATTTTTGGAGCATTTTAAAG
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GCGTGTTTTGCGTATTTTCATCTGCATTCAGCTTCTTACTCTGGGTTTGTACTCGAGTGTTATTTCTTTAC
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ATTATGGAAAAAGGTAAATTTTAGAAGTTTCTGCTCTACTAACTGTAGATATTTATGACTCTGCGAGTTAT
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GCCTTGCTAGGATCCACCCTCCTATAATATGGAACAAATATCTGAATGAAATCCACCCTAGGAGACGGAGT
CAAACTAAACTTGTGGTTTTTCATTTAACTTTTGACTACAGCATGGCCCCATGGCATCCACACCAAGAGGG
TGTTGTGATGAGGTGCCGGTGTGCAAAGGGAACTTTAGTTTTTCCACTGGTTCTTATCTGCTAGCCTTTTA
CATACATGTGTACTATATTTGTTTATAGACTGTAGGTGGATATATAATTTAAAAGCTTGATTTAATAAACA
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TAGTGAGTCGTATTACAATTCACTGGCCGTCGTTTTACAACGTCGTGACTGGGAAAACCCTGNCGTTACCC
AACTTAATCGCCTTGCANN
Table3 3658
NNNNGGCCCTCGAGGCCACGCGGGGAGGGTAGAGTGAGAAGCACCAGCAGGCAGTAACAGCCAAC
CCTTAGCCATTGCTAAGGGCAGAGAACTGGTGGAGCCTTTCTCTTACTCCCAGGACTTCAGCACCTAAGAC
AGCTCCAAAACAAACCAGAACAGTCAGCTCCGGGGGAGCACGACTGGGCGAGAGGCACAGAAATGGACACC
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GTATCCAGAAATGCCAGGCATGCTGATGGAGTTTTCACCAGTGACTTCAGTAAACTCTTGGGTCAACTTTC
TGCCAAAAAGTACCTTGAGTCTCTTATGGGAAAACGTGTTAGCAGTAACATCTCAGAAGACCCTGTACCAG
TCAAACGTCACTCAGATGCAGTCTTCACTGACAACTATACCCGCCTTAGAAAACAAATGGCTGTAAAGAAA
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AAATGATGAAAAAGACCTTTGGAGCAAAGCTGATGACAACTTCCCAGTGAATTCTTGAAGGAAAATGATAC
GCAACATAATTAAATTTTGAGTTCTACATAAGTAATTCAAGAAAACAACTTCAATATCCAAACCAAATAAA
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ACAAAAAAATATATTTAATGATAAGTAAATGCTAGGTTAATTCCAATTATATGAGACGTTTTTGGAAGAGT
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TAACAATGAAGATAAAAAGACATTCTTCCAAAAAGATTTTCAGAAAATATTATGTGTTTCCATATTTTATA
GGCAACCTTTATTTTTAATGGTGTTTTAAAAAATCTCAAATTTGGATTGCTAATCACCAAAGGCTCTCTCC
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NNNNNNNNNNNNNNNNN
Table3 3659
gGAGCCCCAGCATCCCTGCTTGAGGTCCAGGAGCGGAGCCCGCGGCCACCGCCGCCTGATCAGCG
CGACCCCGGCCCGCGCCCGCCCCGCCCGGCAAGATGCTGCCCGTGTACCAGGAGGTGAAGCCCAACCCGCT
GCAGGACGCGAACCTCTGCTCACGCGTGTTCTTCTGGTGGCTCAATCCCTTGTTTAAAATTGGCCATAAAC
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CAAGGGTTCTGGGATAAAGAAGTTTTAAGAGCTGAGAATGACGCACAGAAGCCTTCTTTAACAAGAGCAAT
CATAAAGTGTTACTGGAAATCTTATTTAGTTTTGGGAATTTTTACGTTAATTGAGGAAAGTGCCAAAGTAA
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TTTTTATCACGTTCAGTGTGCTGGGATGAGGTTACGAGTAGCCATGTGCCATATGATTTATCGGAAGGCAC
TTCGTCTTAGTAACATGGCCATGGGGAAGACAACCACAGGCCAGATAGTCAATCTGCTGTCCAATGATGTG
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TGCCCTACTCTGGATGGAGATAGGAATATCGTGCCTTGCTGGGATGGCAGTTCTAATCATTCTCCTGCCCT
TGCAAAGCTGTTTTGGGAAGTTGTTCTCATCACTGAGGAGTAAAACTGCAACTTTCACGGATGCCAGGATC
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TCTTATTACCAATTTGAGAAAGAAGGAGATTTCCAAGATTCTGAGAAGTTCCTGCCTCAGGGGGATGAATT
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GTGATCACAGCCAGCCGCGTGTTCGTGGCAGTGACGCTGTATGGGGCTGTGCGGCTGACGGTTACCCTCTT
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ATTGTTAGCTGTGGTCGGCCCCGTGGGAGCAGGGAAGTCATCACTGTTAAGTGCCGTGCTCGGGGAATTGG
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Table 6
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GGAACTCTGAGGAGTAATATTTTATTTGGGAAGAAATACGAAAAGGAACGATATGAAAAAGTCATAAAGGC
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CTGGACGATCCTCTCAGTGCAGTAGATGCGGAAGTTAGCAGACACTTGTTCGAACTGTGTATTTGTCAAAT
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TCACTGTAAATGGAGGAGGAAATGTAACCGAGAAGCTAGATCTTAACTGGTACTTAGGAATTTATTCAGGT
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CCTATTTTACAAGATGGTGCAACAACTGGGCAAGGCAGAAGCCGCTGCCCTCACTGAAACAGCAAAACAGG
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Table3 3660
NNCAAGCGCGCAGTGTGAAACTCGGCAAGCGCGCAGTGTCGACTCCCCGGTCTATGCCAGGCGCA
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CCAAAATTCCTTGGGGCCCAAAATTACNN
Table3 3661
acTAAAGGGAATAAGCTTGCGGCCGCGGTTTTTTTTTTTTTTTTTGTATTTATGCTAAACCTTT
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Table 6
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ACTGCTGAGGCTGTGGGGGCGGTTTATCAGGCAGTGATAAACATAAGATGTCATTTCCTTGACTCCGGCCT
TCAATTTTCTCTTTGGCTGACGACGGAGTCCGTGGTGTCCCGATGTAACTGACCCCTGCTCCAAACGTGAC
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GCTCCAAACTGTATGAAGACACCTGACTGCACGTTTTTTCTGGGCTTCCAGAATTTAAAGTGAAAGGCAGC
ACTCCTAAGCTCCGACTCCGATGCCTGCTCTTTGACTCCACGGCTTTCTTGACAGAATTCAGGATTGCAAT
GGTGCTCAGGGACATGGGCCTGGCTTTGGGCAGCAACCTCTGCAATGGCCCTGTTTCAGGTGTAGGAGATG
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gacac
Table3 3663
atcgaccacccgtcctcacCACTGTTCCTTCCAGCCAcgaACGACGCAAACGAAGCCAAGTTCCC
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GCCACGAGCAGACAGGCGGCTCGTGC
Table3 3664
NNNNNNNNNNNNNNTTTTTTTTTTTTTTTTTTTTCACAATTCAGAAGAACTTTAATGCATATACC
ATCATTGCCACTATAATAGAGATAGAAGATACATTAAGAAAATTCAGTTTGTATCAATAAAACAGATCAAC

Table 6
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ACAGAACAAGGAAACACCATAGATATTTGTAAATGAGATCTTCTCTTTTGCTACTGTGTATATATATTCCT
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TAATTCTGTTGGGGTTGTGGGGCTGACAACAATGTGTTCCTTTCCTTCCTTCTCTCCCACAAGCAGAGGAA
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CCAGATAGGTGAAGTTCAGAATTAGGACTGCCCACTGCGGGGGGAACAGACCCTCCCCTGTTCTGAGACTA
ACCCTGCCATTTACTGCCTTCTCTATGTAGTCTTGGATAGGTTGCTTCACTGATGCAGGCCTCAGTCTTCC
TCATCTGTACTGGAAATAATAAAACCCACATCACAGTGTTGTGTCAAAGATCATCAGGGCATGGATGGGAA
AGTGCTTTGGGAACTGTAAAGTGCCTAACACATGATCGATGATTTTTGTTATAATATTTGAATCACGGTGC
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CCATTCTCCATTTAATCCTTTCAACAGCCTTGTGAAGTAGATAGTATTACTTCATTTACATATGAAGTAAC
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Table3 3665
cGCGCTCTTTTCTCGGGACGGGAGAGGCCGTGTAGCGTCGCCGTTACTCCGAGGAGATACCAGTC
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caacgacaaacagagacagcgacataggccaaga
Table3 3666
NNNNNNNACGGACACACGGCAGCCGGGGGCCTGGCCAGGTACAAAATAAATTTGCTCATTGGGTT

Table 6
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AGAGTATGGTTATTGATTAGGGGGCTAAGCATTTAGTTACTGCATGGGGCAGCCAATAATAAAATCACAGC
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Table3 3667

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TTTTTTCATGTCCTAAGAGTTGTCAGAGTTTTCTCTTGTAGCATTTTTTTCTTTACTTTTTTTTTTTTACTA
TCTTTAAATATATGACTGTAAGAGTATGATAAATATGCTGGTTTCTAATCTCTGCTGTTGTCACATAAACT
AATATATTTTGAGTAATTTTGAAATGATATTAATAATGTCATTAGATTTTCTTTGGATTTTTTGAAAAAAA
TAATGGTTTTAGAAGGAAATCTGGATAAATTTTATCTCTGN

Table3 3668

NNNNNNNNNNNNNNNNNAAAACTTTTAAANAAATTCCTAAAACCCAAAACCTTTTAGTATATGTA
ATTTACTGGCCTTAAAACTATAAATATTATAGTTTTAATAATTTTGTAGATCAGGAATTTAGGTGGGACTC
AGCTGGCCCATTTGTTTCCCATGTCATGTATCCAAAGCTCACTCTGTAGTATCACCTGGTAGATGGGTTGA
CCTGAAAGGTCCAAGGTGGCTTCCCTTATGTGTCTGCCACCTTACGGGAGATGGGTGGGAAGCTGGCTCAT
CTGGGGCTATTAACCAGAATACTGGCATTTGTCCTGTCCTCTGGGGTGGATTTGCCCATCAAAACTTGAAG
TTCTAGCAGGGCAGGGTAGATACTCCTACTATAGTTCCAACTACCTGGGAGGCTGAGGCAGGAGGATATCT
TTAGTTCAGCCCGAGCAAGCTAGCAAGACCCCATCTCTTTAAAAAAAAAAAAAAAAAAAGACTTGAAGCCCT
TATTTCTTTTGATCTTGTAAATCTATCAGGTGACTCAGGAGAAAAGTCCATGTGCCTCTCTCCATTTTATG
GCCACCAGATGAGTTGAAGGATGTAATGCTTCTTTATGTAGTAATTTTGTATTTTTATTAAGATGTCCATG
TTTACCAATAGGAATACCCATTTGTCCAATATATCTTAGACTCATCAAAAGTGTACCATTTTCTTTTGTAC
AGTACTCTGTTCTAGTTATTATTTCTCCAAATGCTACATACC

Table3 3669

TGGCGGCCGAGGTACATACTTCAGAGGCTAGTTGGCAGGAGTCACTAAGTTAATCCATGCACAGT
GTTCAGCCCAGTGCCTGGCACACAGTGGGTGCTCAAACAACAGCTTCTCTCCCTGCATGTTGGTCATTAGG
GTCACAGGCTCTGAAGTCAGGCTCCTAGGGTAATATCCTGTCCCTATCACTTTCAATTGTAGGAAGATGGG
CAAATTACATACCCCCATAAGCTTTAATTTTCTTACTATAAAACAGAGATAATAATTGTATCTACCTTATG
GGTTATTGCAAGCAGCACATACAGTCACCCAAATAAAGTATATAAGAGTATCTTGTAAGTTCCCAGTAAGT
GCTCACTCCTATGATATTGATGTTCCCCATTTGAATTCCTGTGGTATTATGCAATCATCTGTGCAATAGGA
ACCGGATTAGCAGAGGGTCCTGGGATTCTGGCAGAAAAAGACCAGAGCTTAGTGGCCCATCAGAAATTGGC
TTTTCCCCCAGAAGAGAGGGAACCACAGGGCCTGAGGT

Table3 3670

ATGATTGAGTGNCCAGATGTGCGGGCCGTGTTCTATGTCTGGTCCCTTGTGTTTTCTCTCCCTCT
TCTGGGGGCGCGCCTTGCCCATGTTCTCAAATGGCTCGCCCTGGGGCACATATATCCCTTGGCATGCCACC
ATTCAACAATATTTTTTAAAATCTACAAATTTTAAAGTTTCACTTCCCTGCAAAATTCTTCAGTCAAGAAA
TTAGTCTTTGAAAATTATGAAAATTGTTGTGGGAAATATTTATACAAATTATTACTGATAATGCACATATA
TTTTGAAACATTGTTTCTAGAAGCAATAAAATATAACCTATTTAGGAGATAACCCAAATGATTTGTAAAAA
AATTAACTTGTAGAAAAGGGAAGGATGTTGTGTAAAATCAAGTCAATTATTTGAGGTTTTTATAATATTGA
GTACTTATGTACTAAGTCACACCCAGCCAGTCAATAACTGAGAAATCAAAATAAATAATAATTTCAAAGAA
TTACATAAATACAGGGCCTTTTGAGATTTTTGGCAATTGTAAACAAAAACGAATGGTTTTTACAATTCAGT
GTAATTCTACGAATATTTATTTGGCACCCATGTTAGGCACTGAGGCTACACAGCAGTGAAATAGGCCTAGT
TGTTCTCAACTAGAGAACATAGTTGGTTAATGTAGCTGCACTGAATTGTAGCTGTTTAGAAGATAATATAC
CCTGAGGCTTTTTAAAGTATACTATTACTATAAGAAGTAAAATTATTTTATACTTATAAATTTTGTTTTGG
ATTATTCAACTGAATTTGGAGTGTTCAGAATTTTCATGGCGGTTGAGACAAGGAAGAGGTATAATGCTATT

Table 6
2599/3331

TTTTTTTCCTTTTCTTTTTTTTTTTTGAGACGGAATCTCACTCTGTTGCCCAGACTGGAGTGCAATGGTGCG
ATCTCGGCTCACTGCAACCTCCGCCTCCCGGGTTCAAGTGATTCTCCTGCCTCAGCCTCCCAAGTAGCTGG
GATTACAGGCGCCCACCATCACGCCCAGCTAATTTTTGTATTTTTAGTAGAGACGGGGTTTCACCAGGTTG
CCTGGCTGATCTCAAACTCCTGACCACAGTTGATCCACCCGCCTCGGCCTCTAGAAN

Table3 3671

ACTTTCGTTCTTAATTAGGTCATGCCCGTGTGAGCCAGGAAAGGGCTGTGTTTATGGGAAGCCAG
TAACACTGTGGCCTACTATCTCTTCCGTGGTGCCATCTACATTTTTGGGACTCGGGAATTATGAGGTAGAG
GTGGAGGCGGAGCCGGATGTCAGAGGTCCTGAAATAGTCACCATGGGGGAAAATGATCCGCCTGCTGTTGA
AGCCCCCTTCTCATTCCGATCGCTTTTTGGCCTTGATGATTTGAAAATAAGTCCTGTTGCACCAGATGCAG
ATGCTGTTGCTGCACAGATCCTGTCACTGCTGCCATTGAAGTTTTTTCCAATCATCGTCATTGGGATCATT
GCATTGATATTAGCACTGGCCATTGGTCTGGGCATCCACTTCGACTGCTCAGGGAAGTACAGATGTCGCTC
ATCCTTTAAGTGTATCGAGCTGATAGCTCGATGTGACGGAGTCTCGGATTGCAAAGACGGGGAGGACGAGT
ACCGCTGTGTCCGGGTGGGTGGTCAGAATGCCGTGCTCCAGGTGTTCACAGCTGCTTCGTGGAAGACCATG
TGCTCCGATGACTGGAAGGGTCACTACGCAAATGTTGCCTGTGCCCAACTGGGTTTCCCAAGCTATGTGAG
TTCAGATAACCTCAGAGTGAGCTCGCTGGAGGGGCAGTTCCGGGAGGAGTTTGTGTCCATCGATCACCTCT
TGCCAGATGACAAGGTGACTGCATTACACCACTCAGTATATGTGAGGGAGGGATGTGCCTCTGGCCACGTG
GTTACCTTGCAGTGCACAGCCTGTGGTCATAGAAGGGGCTACAGCTCACGCATCGTGGGTGGAAACATGTC
CTTGCTCTCGCAGTGGCCCTGGCAGGCCAGCCTTCAGTTCCAGGGCTACCACCTGTGCGGGGGCTCTGTCA
TCACGCCCCTGTGGATCGTCACTGCTGCACACTGTGTTTATGACTTGTACCTCCCCAAGTCATGGACCATC
CAGGTGGGTCTAGTTTCCCTGTTGGACAATCCAGCCCCATCCCACTTGGTGGAGAAGATTGTCTACCACAG
CAAGTACAAGCCAAAGAGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCCGGGCCACTCACGTTCAATG
AAATGATCCAGCCTGTGTGCCTGCCCAACTCTGAAGAGAACTTCCCCGATGGAAAAGTGTGCTGGACGTCA
GGATGGGGGGCCACAGAGGATGGAGGTGACGCCTCCCCTGTCCTGAACCACGCGGCCGTCCCTTTGATTTC
CAACAAGATCTGCAACCACAGGGACGTGTACGGTGGCATCATCTCCCCCTCCATGCTCTGCGCGGGCTACC
TGACGGGTGGCGTGGACAGCTGCCAGGGGGACAGCGGGGGGCCCCTGGTGTGTCAAGAGAGGAGGCTGTGG
AAGTTAGTGGGAGCGACCAGCTTTGGCATCGGCTGCGCAGAGGTGAACAAGCCTGGGGTGTACACCCGTGT
CACCTCCTTCCTGGACTGGATCCACGAGCAGATGGAGAGAGACCTAAAAACCTGAAAAGGAAGGGGACAAG
TAGCCACCTGAGTTCCTGAGGTGATGAAGACAGCCCGATCCTCCCCTGGACTCCCGTGTAGGAACCTGCAC
ACGAGCAGACACCCTTGGAGCTCTGAGTTCCGGCACCAGTAGCAGGCCCGAAAGAGGCACCCTTCCATCTG
ATTCCAGCACAACCTTCAAGCTGCTTTTTGTTTTTTGTTTTTTGAGATGGAGTCTCGCTCTGTTGCCCAG
GCTGGAGTGCAGTGGCGAAATCCCTGCTCACTGCAGCCTCCGCTTCCCTGGTTCAAGCGATTCTCTTGCCT
CAGCTTCCCCAGTAGCTGGGACCACAGGTGCCCGCCACCACACCCAACTAATTTTTGTATTTTTAGTAGAG
ACAGGGTTTCACCATGTTGGCCAGGCTGCTCTCAAACCCCTGACCTCAAATGATGTGCCTGCTTCAGCCTC
CCACAGTGCTGGGATTACAGGCATGGGCCACCACGCCTAGCCTCACGCTCCTTTCTGATCTTCACTAAGAA
CAAAAGAAGCAGCAACTTGCAAGGGCGGCCTTTCCCACTGGTCCATCTGGTTTTCTCTCCAGGGGTCTTGC
AAAATTCCTGACGAGATAAGCAGTTATGTGACCTCACGTGCAAAGCCACCAACAGCCACTCAGAAAAGACG
CACCAGCCCAGAAGTGCAGAACTGCAGTCACTGCACGTTTTCATCTCTAGGGACCAGAACCAAACCCACCC
TTTCTACTTCCAAGACTTATTTTCACATGTGGGGAGGTTAATCTAGGAATGACTCGTTTAAGGCCTATTTT
CATGATTTCTTTGTAGCATTTGGTGCTTGACGTATTATTGTCCTTTGATTCCAAATAATATGTTTCCTTCC
CTCATTGAACAAAAAAAAAAAAAAA

Table3 3672

NNNNACGCGTCCGGGCTTGGGGGACACAGAGAAATCTCAGATGATGTACAGGTTTCCAGGTTGTA
CACTAGTATTTAACCTAGACGTGAGGAAGGAGTAGGAAATTTTCTGGTGAATACAGAAGAGCAAAGAACAG
CAGGTCAGCAGGAATGACTAATGTTTTTCTATGCATGTTTAATGGAATATTCGTGTAGGATATTTTGAGTA
GGTAATTGGATAATCAGCATTTGTAACTTGCATCCTAGTAGTCTGACTCTCACTAATAAGACTTGTCAAAG
TTCCAAGAATCTGAAAGTGGATGATAAATGTCCATGTGTATCACCATCCATGACCGAAAGTCAGCATCCAC
AGAACACAGAATTGGGACAGATGAACTTAATAGATAAAGATGAATATCGGAGTTGTTCCTCTTAGGGAATG
ATACTCTCCATGACCTGTGTGAGTCACAGCTGCCAGAAAAGAAAGAGCAAGGAGCGTATGAAGGCAGCACA
GCAAATTCAGTCCTAGAGTGCCCTGCTTGACTTCATGTCATAGTTCTGACTTCTAATAAATCATTTTCTGC
AAAATATGCTCTGTGATTTTTTCCCTCTTGCTGCCTGCAGCCAAACAGAATCCCTTTAGCAGGGCATTTTT
GTGTTCTTCCTTTAAACAAGGCAACATATAAATAATGAAAACAAGAGAAAGAGTGGTTTTTGTATGGGATA
GTATTTAACGTAAACTTGAGAGTGAGT

Table3 3673

NNNNNNNATACTTGTTTAAAGATCCGGCTTTTCTCCGAGTTGGGAAAAGCAGTTTCGCCCTTTTC
AAGTGGTGAAGCTCTACCTCCCAAAATCCACCTCTATTAAACCATGGATTGCTTCTAACCCTCTCAGCCCC
CAAACAGGACCACCTGCTCATTCTGCCTCCCTCATCCCTTCTGTCTCTAATGGCTCTTTGAAGTTTCAGAG
CCTCACTCATACAGGTAAAGGTCACCATCTTTCATTCTCACCGCAGAGTCAAAATGGCCGAGCACCCCCTC
CTTTGTCATTTTCCTCCTCCCCTCCTTCTCCTGCCTCCTCCGTCTCACTGAATCAAGGTGCCAAGGGCACC
AGGACCATCCATACTCCCAGCCTCACCAGCTACAAGGCACAGAATGGAAGTTCAAGCAAAGCCACCCCATC
CACAGCAAAAGAAACCTCTTAAAGGTCAAATCCTATTAGGCACAAGTCGGAGTTACATTTAAAAAAAATTA
ACAGTCTACAACAACTGTTTTCACAAGAGAATGTAACATATTGCTGTATCGTTTGAGGCTTAATGCTAAAT
ATGTGCTAAATACTGGATTAATAGATTTCAGTAAAGCTCGTTCGTTTTGTTTGGTTTTCTTTTTACCTAGT
TGCTATAGTGTCTACAGTCTATACTCAATACCTATAAAATGCAGTAAGCATGTGTTACAGAAAGAGGTTCT
GGTGGGAGAGAAAGGTGCGTGTGAGACAGGAGAATTGTCTTAAGCATATAAAACATGTATGATTCCAGAAT

Table 6
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TTTAGTATGTTTTGTATAAAACTATTTTTCATTACGGAGACTAGAAGTGAACAGAGAATTACACAAGTGTG
ACTATACAAATTGTAAAACAGATACTATAATATTTCCTTTTATTTTAGTGTTATTTAGCTTTATTACAGAT
TTCTATTTTTGTCAAAACTTCATGGTTCCTTTCAAGATCTTTTTTGCCAAAACATTTTGATACTATAGCAT
TGTACATTTGAAAGTAGTGTTCTAGACTATAAAACCAATGAACTTCTACATGAGCCCTACAGACAGGCATG
TGTAGAAGGCAATTTATCAAACCTATTGCACTGCCATGAAAAGTGTGTATAATAATTTGCTAGCCCAAGCA
AGCTAGTTTTCTTTGCTTGCTTCTTTTCTTTCTTTTTTCCTTCCTTTTTTTTTTTTTTTTCTTTTTTAAC
ATGTTGAGATTCTCTAGTTGTTTTCTTTGGCGTATCTAACCCCTTCTTTTGTTTTCTGAGACCTGGTAACC
CACGCTCTTGCATTGTGGATTTTAAAATGTATACTCTGTACGGTTCTGTAAACCGAAAAACTTTTGTAAAT
ATATAAATATACATAGACATAAAAATACTGTATGTGACAGCACATAGAGTAGTTTTCCCACACCAAAGTTA
ATTTTTATGCATGCTTTAAAAGTATATATCGGGACCGGCAGAAATGGAAGTATCCATACATTTTTAAAAAG
CAACAAGTTTGCACAGCTAGAGTGTTTTTGTAAATAAATGTATTTGTATAACACAGTCATGTAATATACAG
AACTATAAGCAGAGACTTTGCAAAACTAAATAAAGGGCTGCATGCTTATTATTTTTTGTACCTTGTCACTA
TAACTACTTCCTAGTCAAAGAACGAAATGTAACTGTTACCGAGTTAAATGTTTTTCCGCTTTGAGGGATGT
AACCACATCCACTCAGAGGACACTACTTTTCTGAAAGCTCTGGGGTGACTAATGATGAGTTCCTAATAAAT
TAATTGCAAGTGTGGTGCCTTGGATGTGGCCTGTTGGCTCGCTTTCTTCTCTGTGGCTTATCAAGGTGTAG
ATGACAGAAAGCAAACCTGGATACAGAGTTTCCACCCTCAGTTCCTGGAGGGGCTCTTATTATTTTCTCTC
TTTTTAAAAAACTTCCAGTAGAAGTAAAGTGGAAATAAAATGTCTT
Table3 3675
TATAGGGAGTCGACCCACGCACGCGTCCGCACCGCCGCCCAGGCAAGGCCGCCCTGCCTTGGGCG
CAGCGCTGCCATGGCTGGGGGCCGTGGGGCCCCCGGGCGCGGCCGGGACGAGCCTCCGGAGAGCTACCCGC
AACGACAGGACCACGAGCTACAGGCCCTGGAGGCCATCTACGGCGCGGACTTCCAAGACCTGCGGCCGGAC
GCTTGCGGACCGGTCAAAGAGCCCCCTGAAATCAATTTAGTTTTGTACCCTCAAGGCCTAACTGGTGAAGA
AGTATATGTAAAAGTGGATTTGAGGGTTAAATGCCCACCTACCTATCCAGATGTAGTTCCTGAAATAGAGT
TAAAAAATGCCAAAGGTCTATCAAATGAAAGTGTCAATTTGTTAAAATCTCGCCTAGAAGAACTGGCCAAG
AAACACTGTGGGGAGGTGATGATCTTTGAACTGGCTTACCACGTGCAGTCATTTCTCAGCGAGCATAACAA
GCCCCCTCCCAAGTCTTTTCATGAAGAAATGCTGGAAAGGCGGGCTCAGGAGGAGCAGCAGAGGCTGTTGG
AGGCCAAGCGGAAAGAAGAGCAGGAGCAACGTGAAATCCTGCATGAGATTCAGAGAAGGAAAGAAGAGATA
AAAGAAGAGAAAAAAAGGAAAGAAATGGCTAAGCAGGAACGTTTGGAAATTGCTAGTTTGTCAAACCAAGA
TCATACCTCTAAGAAGGACCCAGGAGGACACAGAACGGCTGCCATTCTACATGGAGGCTCTCCTGACTTTG
TAGGAAATGGTAAACATCGGGCAAACTCCTCAGGAAGGTCTAGGCGAGAACGTCAGTATTCTGTATGTAAT
AGTGAAGATTCTCCTGGCTCTTGTGAAATTCTGTATTTCAATATGGGGAGTCCTGATCAGCTCATGGTGCA
CAAAGGGAAATGTATTGGCAGTGATGAACAACTTGGAAAATTAGTCTACAATGCTTTGGAAACAGCCACTG
GTGGCTTTGTCTTGTTGTATGAGTGGGTCCTTCAGTGGCAGAAAAAAATGGGTCCATTCCTTACCAGTCAA
GAAAAAGAGAAGATTGATAAGTGCAAAAAGCAGATTCAAGGAACAGAAACAGAATTCAACTCACTGGTAAA
ATTGAGCCATCCAAATGTAGTACGCTACCTTGCAATGAATCTCAAAGAGCAAGACGACTCCATCGTGGTGG
ACATTTTAGTGGAGCACATTAGTGGGGTCTCTCTTGCTGCACACCTGAGCCACTCAGGCCCCATCCCTGTG
CATCAGCTTCGCAGGTACACAGCTCAGCTCCTGTCAGGCCTTGATTATCTGCACAGCAATTCTGTGGTGCA
TAAGGTCCTGAGTGCATCTAATGTCTTGGTGGATGCAGAAGGCACCGTCAAGATTACGGACTATAGCATTT
CTAAGCGCCTCGCAGACATTTGCAAGGAGGATGTGTTTGAGCAAACCCGAGTTCGTTTTAGTGACAATGCT
CTGCCTTATAAAACGGGGAAGAAAGGAGATGTTTGGCGTCTTGGCCTTCTGCTGCTGTCCCTCAGCCAAGG
ACAGGAATGTGGAGAGTACCCTGTGACCATCCCTAGTGACTTACCAGCTGACTTTCAAGATTTTCTAAAGA
AATGTGTGTGCTTGGATGACAAGGAAAGATGGAGTCCCCAGCAGTTGTTGAAACACAGCTTTATAAATCCC
CAGCCAAAAATGCCTCTAGTGGAACAAAGTCCTGAAGATTCTGGAGGACAAGATTATGTTGAGACTGTTAT
TCCTAGCAACCGGCTACCCAGTGCTGCCTTCTTTAGTGAGACACAGAGACAGTTTTCCCGATACTTCATTG
AGTTTGAAGAATTACAACTTCTTGGTAAAGGAGCTTTTGGAGCTGTCATCAAGGTGCAGAACAAGTTGGAC
GGCTGCTGCTACGCAGTGAAGCGCATCCCCATCAACCCGGCCAGCCGGCAGTTCCGCAGGATCAAGGGCGA
AGTGACACTGCTGTCACGGCTGCACCATGAGAACATTGTGCGCTACTACAACGCCTGGATCGAGCGGCACG
AGCGGCCGGCGGGACCGGGGACGCCGCCCCCGGACTCCGGGCCCCTGGCCAAGGATGACCGAGCTGCACGC
GGGCAGCCGGCGAGCGACACAGACGGCCTGGACAGCGTAGAGGCCGCCGCGCCGCCACCCATCCTCAGCAG
CTCGGTGGAGTGGAGCACTTCGGGCGAGCGCTCGGCCAGTGCCCGTTTCCCCGCCACCGGCCCGGGCTCCA
GCGATGACGAGGACGACGACGAGGACGAGCACGGTGGCGTCTTCTCCCAGTCCTTCCTGCCTGCTTCAGAT
TCTGAAAGTGATATTATCTTTGACAATGAAGATGAGAACAGTAAAAGTCAGAATCAGGATGAAGATTGCAA
TGAAAAGAATGGCTGCCATGAAAGTGAGCCATCAGTGACGACTGAGGCTGTGCACTACCTATACATCCAGA
TGGAGTACTGTGAGAAGAGCACTTTACGAGACACCATTGACCAGGGACTGTATCGAGACACCGTCAGACTC
TGGAGGCTTTTTCGAGAGATTCTGGATGGATTAGCTTATATCCATGAGAAAGGAATGATTCACCGGGATTT
GAAGCCTGTCAACATTTTTTTGGATTCTGATGACCATGTGAAAATAGGTGATTTTGGTTTGGCGACAGACC
ATCTAGCCTTTTTCTGCTGACAGCAAACAAGACGATCAGACAGGAGACTTGATTAAGTCAGACCCTTCAGGT
CACTTAACTGGGATGGTTGGCACTGCTCTCTATGTAAGCCCAGAGGTCCAAGGAAGCACCAAATCTGCATA
CAACCAGAAAGTGGATCTCTTCAGCCTGGGAATTATCTTCTTTGAGATGTCCTATCACCCCATGGTCACGG
CTTCAGAAAGGATCTTTGTTCTCAACCAACTCAGAGATCCCACTTCGCCTAAGTTTCCAGAAGACTTTGAC
GATGGAGAGCATGCAAAGCAGAAATCAGTCATCTCCTGGCTGTTGAACCACGATCCAGCAAAACGGCCCAC
AGCCACAGAACTGCTCAAGAGTGAGCTGCTGCCCCCACCCCAGATGGAGGAGTCAGAGCTGCATGAAGTGC
TGCACCACACGCTGACCAACGTGGATGGGAAGGCCTACCGCACCATGATGGCCCAGATCTTCTCGCAGCGC
ATCTCCCCTGCCATCGATTACACCTATGACAGCGACATACTGAAGGGCAACTTCTCAATCCGTACAGCCAA

Table 6
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GATGCAGCAGCATGTGTGTGAAACCATCATCCGCATCTTTAAAAGACATGGAGCTGTTCAGTTGTGTACTC
CACTACTGCTTCCCCGAAACAGACAAATATATGAGCACAACGAAGCTGCCCTATTCATGGACCACAGCGGG
ATGCTGGTGATGCTTCCTTTTGACCTGCGGATCCCTTTTGCAAGATATGTGGCAAGAAATAATATATTGAA
TTTAAAACGATACTGCATAGAACGTGTGTTCAGGCCGCGCAAGTTAGATCGATTTCATCCCAAAGAACTTC
TGGAGTGTGCATTTGATATTGTCACTTCTACCACCAACAGCTTTCTGCCCACTGCTGAAATTATCTACACT
ATCTATGAAATCATCCAAGAGTTTCCAGCACTTCAGGAAAGAAATTACAGTATTTATTTGAACCATACCAT
GTTATTGAAAGCAATACTCTTACACTGTGGGATCCCAGAAGATAAACTCAGTCAAGTCTACATTATTCTGT
ATGATGCTGTGACAGAGAAGCTGACGAGGAGAGAAGTGGAAGCTAAATTTTGTAATCTGTCTTTGTCTTCT
AATAGTCTGTGTCGACTCTACAAGTTTATTGAACAGAAGGGAGATTTGCAAGATCTTATGCCAACAATAAA
TTCATTAATAAAACAGAAAACAGGTATTGCACAGTTGGTGAAGTATGGCTTAAAAGACCTAGAGGAGGTTG
TTGGACTGTTGAAGAAACTCGGCATCAAGTTACAGGTCTTGATCAATTTGGGCTTGGTTTACAAGGTGCAG
CAGCACAATGGAATCATCTTCCAGTTTGTGGCTTTCATCAAACGAAGGCAAAGGGCTGTACCTGAAATCCT
CGCAGCTGGAGGCAGATATGACCTGCTGATTCCCCAGTTTAGAGGGCCACAAGCTCTGGGGCCAGTTCCCA
CTGCCATTGGGGTCAGCATAGCTATAGACAAGATATCTGCTGCTGTCCTCAACATGGAGGAATCTGTTACA
ATAAGCTCTTGTGACCTCCTGGTTGTAAGTGTTGGTCAGATGTCTATGTCCAGGGCCATCAACCTAACCCA
GAAACTCTGGACAGCAGGCATCACAGCAGAAATCATGTACGACTGGTCACAGTCCCAAGAGGAATTACAAG
AGTACTGCAGACATCATGAAATCACCTATGTGGCCCTTGTCTCGGATAAAGAAGGAAGCCATGTCAAGGTT
AAGTCTTTCGAGAAGGAAAGGCAGACAGAGAAGCGTGTGCTGGAGACTGAACTTGTGGACCATGTACTGCA
GAAACTGAGGACTAAAGTCACTGATGAAAGGAATGGCAGAGAAGCTTCCGATAATCTTGCAGTGCAAAATC
TGAAGGGGTCATTTTCTAATGCTTCAGGTTTGTTTGAAATCCATGGAGCAACAGTGGTTCCCATTGTGAGT
GTGCTAGCCCCGGAGAAGCTGTCAGCCAGCACTAGGAGGCGCTATGAAACTCAGGTACAAACTCGACTTCA
GACCTCCCTTGCCAACTTACATCAGAAAAGCAGTGAAATTGAAATTCTGGCTGTGGATCTACCCAAAGAAA
CAATATTACAGTTTTTATCATTAGAGTGGGATGCTGATGAACAGGCATTTAACACAACTGTGAAGCAGCTG
CTGTCACGCCTGCCAAAGCAAAGATACCTCAAATTAGTCTGTGATGAAATTTATAACATCAAAGTAGAAAA
AAAGGTGTCTGTGCTATTTCTGTACAGCTATAGAGATGACTACTACAGAATCTTATTTTAACCCTAAAGAA
CTGTCGTTAACCTCATTCAAACAGACAGAGGCTTATACTGGAATAATGGAATGTTGTACATTCATCATAAT
TTAAAATTAAATTCTAAGAAGAGGCTGGGTGCAGTGGCTCACACCTTTAATCCCAGCACTTTGGGAAGCCA
AGGCAGGAAGACTGCTTGAAACCAGGAGTTTGAGACCAGCCTGAGCAACAAAGCAAGACCCCATCTCTATA
AAAACTAAAAAAAATTAGTTGGGCATGGTGGCACATGCCTGTAGTCCCAGCTACTCCAGAGGCTGAGATGGA
TCATCTGAGCCTCAGGAGGTTGAGGCTGCAGTGAGCTGTGACTGCGCCACTGCACTCCAGTCTGGGACAAC
AGAGCAAGACCCTGTCTTAAAAAAAAAAAGAAAAAAAAATTTTTTTTCTAAGAAGCTGTCCTACAAAGTTG
AGCTTTGTTAGTTTTTCATGTGTAATATATTATAAATTTATCTTTTGGGATATAATAAATGCTTTCATATA
CCNNNN

Table3 3676

NNAGCTCCCCGCGGGGGGGGGCGCCCGGGCAGGTACACAAACTATTACTTCCAGAAGAGAATTGT
TTAGGTTGTTCTGGCCTAAATTTTATGCAATGAATAAAAATTTAAATCTCTTCATCCATGATCTACTGCAG
GTCAGGATCCTTGGCATCAGATGGTAGTGATAAAAACCGGATATTGGGGTGCTGCCGGTGGAGAAAAATGG
AAGAAGCCAGAGGTCAGCAAGAAGGGGAGGCTAGTAGGAGAAAGAGAGATTAAAGAGAAACCTAAGAAGGT
GAAAAAAAGAAAAGTTAGAGGGGCAGAGGAAATAAAATGTAGAAGAGATGAGAAAATATTCAACTGGATAG
CAGGAGAAGGGGAAAACTGTAAGGAGGGTGG

Table3 3677

ACATCGAGCCCTCAGGGTCCCTGACTGGTTCTCCAGCCGCCCCATAGGCTATGAGCATCCCCGTT
CCCTACACAAAGGNACCACTGGGATTTATTAAAGGTTATGCCTTGCAATGCAGTACTGTTTTCATATGTGT
GATATTATACTACTTTCTCCAATTTTCTCTTCACATCCTACCCATTCTTTTTGCTCAATCTTTTAAGTCTT
TTAATGAAATAGTTATACAAAAAAGTGTATAGAGTCAGGTGCGGTGGCTCACACCTGTAATCTCAGCACTT
TGGGAGGCCAAGGTGGGCGGATTGCTTGAGCCCAGGAGTTTAAGACCCAGCCTGGGCAATGTGGTG

Table3 3681

ACTGATATAATCTAACAAATGAAGGTGCACCTTTACTTCCTGGAACATAGACAGCCACCTAAGAT
ACATAGACATAAATCATCACTTAATTTTTTGAAGAATAAAAACTGAGATGGACATGTTTTTACAATCACAA
AAAACTAGGAAAAGGTTTAAACACATAATATTACACATAAACAAAAACAGCAATTACCTTGTATGGTTGGG
GTCCAGGTGATAATACAAAGTCATTAATTTTTTGCAAATGCAATTTATTTGCAATTGTGTCTAAAAAAAGA
GTAAATTAAATCAGATTGATGAGAGAACCTAAAAGGAACATGTTAAACTCTGAATA

Table3 3683

ACGCGGGGTCTGGCATCAGCGTTGCGGCTCGAGGCAAAGCTGGTCCTGTGCCTGCTGTCCATTGC
CGCTAAGGCCTGCTGCTGCCATTCAGGCGTGTCTCCCTCTCTCTCTCTCTTTCATGCCGCTCTCTCCACCC
CATCTTGGGACGGCCAGCTCTAAGAATTCCTGCTACGACACTGAATTCAACCAGGAGGTGATGCCACACTC
AATCAGAAACTATGCTACTGCTGAAGAGGTATATTGAGCCCTGCCTGGTTAACCTCCAGTGAGGTTATTAG
AGAATTGGGAGAGGCTCAAATCAGCATCCTGCACCTGGTTATCAAACCATTGTGAAGTCTTGATTCCTGGA
TGGCCAGAAAACTTGTCATTGGTCAAGAGCAACATTAAGATCTGCCTGTTACTCATACTGATGCTTCCTGC
CCAGCAAGTTCATCAGAGGGCGAGGATGAATTACGGTTGCCATGAATGTCCTTGTGAGGCAGTTGGGAAGC
CTTGGCTGGATTGTGAAGGATATTTGAAATGCCTTTTAGAGCCCACCAGANNN

Table3 3684

CTGCCAAAATAATTTTATTCTGTTTTCAAATTGAACAGCATATATTGTTAGAGTGAGAGTCTGTA
AATTCAGTCCTCTTCTTTGTTGGCATTCAGAAGTCTTTGTTGAAATCTGGATGAGATTCTGAATTCAGGTG

Table 6
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ATGTTGATTTACATAAATTGGATGTCTCTGGGACTTTCCATTTTGACAGTCGCTCTTCTACTTCAGTCTCC
TGAAGACATCTCTCCAACAGAAGTTACATAAAAATACTAATCTTCAAGGTGCTTTCTAAAATATTTTCATC
ACGTCATTAAAATCTTCTTTCACTAGGCAATGGTTCTGTCTCTATGGGGGCTGGCAGGCAGGGCAAATGAA
TTCCTACCAATAAGGCGGGCCTAGTTGGTTCATGTCAATTCCAAAGCAAGAGGATGGTTGAAGAAGGGTAT
TGAATGAGTAGATAACAAATATTTGGAGAGAGATTTGGAGGAACCCTGGAAGACAAGAGTAGGCTACCTGT
GCTCTTGGGGCTTCCGAGGCGATCGGGCAGTGTCAGTCCTTCAGCTGTTAAGCTGAGAAGATCTGGGAAGG
AGTCAGTCAGAGAGCCTTGGGCCAGAGTTCCAGGAGCTCTGGGAGTGGCTGTCAGAAATGGCCAATTTCTT
TCAAATGCTGTATACTGGAAAAATCCAAAGGACTCATCAGATGAACACATTTCAAAGAGCCGCTACCAATT
TTTTTTCTTAAGCAAAGCATCAAGCCTCTGATTTGCCGCTGATAAATTCTCTAAATAAGCACTTGGAACAG
AAAGGAGCTCTACCCAACTACCC
Table3 3686
NNNCGACCCACGCGTCCGGGAGGAACGGCAGGGCTGGCTGCGGAAGGGGAGGGGGGGGAGAAGGC
GATTGGATGCGGCGGCGGCGGCGGATCCCGGAGAGCCCCGGAGTGAGCGGAGTAGCGAGTCGGCAACCCGG
AGGGGTAGAAATATTTCTGTCATGGCTCATTCAAAGACTAGGACCAATGATGGAAAAATTACATATCCGCC
TGGGGTCAAGGAAATATCAGATAAAATATCTAAAGAGGAGATGGTGAGACGATTAAAGATGGTTGTGAAAA
CTTTTATGGATATGGACCAGGACTCTGAAGAAGAAAAGGAGCTTTATTTAAACCTAGCTTTACATCTTGCT
TCAGATTTTTTTCTCAAGCATCCTGATAAAGATGTTCGCTTACTGGTAGCCTGCTGCCTTGCTGATATTTT
CAGGATTTATGCTCCTGAAGCTCCTTACACATCCCCTGATAAACTAAAGGATATATTTATGTTTATAACAA
GACAGTTGAAGGGGCTAGAGGATACAAAGAGCCCACAATTCAATAGGTATTTTTATTTACTTGAGAACATT
GCTTGGGTCAAGTCATATAACATATGCTTTGAGTTAGAAGATAGCAATGAAATTTTCACCCAGCTATACAG
AACCTTATTTTCAGTTATAAACAATGGCCACAATCAGAAAGTCCATATGCACATGGTAGACCTTATGAGCT
CTATTATTTGTGAAGGTGATACAGTGTCTCAGGAGCTTTTGGATACGGTTTTAGTAAATCTGGTACCTGCT
CATAAGAATTTAAACAAGCAAGCATATGATTTGGCAAAGGCTTTACTGAAGAGGACAGCTCAAGCTATTGA
GCCATATATTACCAATTTTTTTAATCAGGTTCTGATGCTTGGGAAAACATCTATCAGCGATTTGTCAGAGC
ATGTCTTTGACTTAATTTTGGAGCTCTACAATATTGATAGTCATTTGCTGCTCTCTGTTTTACCCCAGCTT
GAATTTAAATTAAAGAGCAATGATAATGAGGAGCGCCTACAAGTTGTTAAACTACTGGCAAAAATGTTTGG
GGCAAAGGATTCAGAATTGGCTTCTCAAAACAAGCCACTTTGGCAGTGCTACTTGGGCAGGTTTAATGATA
TCCATGTACCAATCCGCCTGGAATGTGTGAAATTTGCTAGCCATTGTCTCATGAACCATCCTGATTTAGCA
AAAGACTTAACAGAGTATCTTAAAGTGAGGTCACATGACCCTGAGGAAGCTATTAGACATGATGTTATTGT
GTCAATAGTTACAGCTGCTAAAAAGGATATTCTTCTGGTCAATGATCACTTACTTAATTTTGTGAGAGAGA
GAACATTAGACAAACGATGGAGAGTACGCAAAGAAGCCATGATGGGACTTGCCCAAATTTATAAGAAATAT
GCTTTACAGTCAGCAGCTGGAAAAGATGCTGCAAAACAGATAGCATGGATCAAAGACAAATTGCTACATAT
ATATTATCAAAATAGTATTGATGATCGACTACTTGTTGAACGGATCTTTGCTCAATACATGGTTCCTCACA
ATTTAGAAACTACAGAACGGATGAAATGCTTATATTACTTGTATGCCACACTGGATTTAAATGCTGTGAAA
GCATTGAATGAAATGTGGAAATGTCAAAATCTGCTCCGACATCAAGTAAAGGATTTGCTTGACTTGATTAA
GCAACCCAAAACAGATGCCAGTGTCAAGGCCATATTTTCAAAAGTGATGGTTATTACAAGAAATTTACCTG
ATCCTGGTAAGGCTCAGGATTTCATGAAGAAATTCACACAGGTGTTAGAAGATGATGAGAAAATAAGAAAG
CAGTTAGAAGTACTTGTTAGTCCAACATGCTCCTGCAAGCAGGCTGAAGGTTGTGTGCGTGAAATAACTAA
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CACCTGTGCACATAGATACCGAATCTATCAGTGCTCTTATTAAACAAGTGAACAAATCAATAGATGGAACA
GCAGATGATGAAGATGAGGGTGTTCCAACTGATCAAGCCATCAGAGCAGGTCTTGAACTGCTTAAGGTACT
CTCATTTACACATCCCATCTCATTTCATTCTGCTGAAACATTTGAATCATTACTGGCTTGTCTGAAAATGG
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CTCCTTGCACCTGATCAATTTGCTGCTCCTTTGAAATCTTTGGTAGCTACTTTCATTGTGAAAGATCTTCT
CATGAATGATCGGCTTCCAGGGAAAAAGACAACTAAACTTTGGGTTCCAGATGAAGAAGTATCTCCTGAGA
CAATGGTCAAAATTCAGGCTATTAAAATGATGGTTCGATGGCTACTTGGAATGAAAAATAATCACAGTAAA
TCAGGAACTTCTACCTTAAGATTGCTAACAACAATATTGCATAGTGATGGAGACTTGACAGAACAGGGGAA
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CCTGTTACCATGAAATCATCACATTAGAACAATATCAGCTATGTGCATTAGCTATCAACGATGAATGCTAT
CAAGTAAGACAAGTGTTTGCCCAGAAACTTCACAAAGGCCTTTCCCGTTTACGGCTTCCACTTGAGTATAT
GGCAATCTGTGCCCTTTGTGCAAAAGATCCTGTAAAGGAGAGAAGAGCTCATGCTAGGCAATGTTTGGTGA
AAAATATAAATGTAAGGCGGGAGTATCTGAAGCAGCATGCAGCTGTTAGTGAAAAATTATTGTCTCTTCTA
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TGAACAACTTAAAGATGTTAAAGAATGTCTTTGGTTTGTTCTGGAAATATTAATGGCTAAAAATGAAAATA
ACAGTCACGCTTTTATCAGAAAGATGGTAGAAAATATTAAACAAACAAAAGATGCCCAAGGACCAGATGAT
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Table 6
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AGAGACGACTCTGATCTTGTAAGGTCTGAATTGGAGAAGCCTAGAGGCAGGAAAAAAACGCCCGTCACAGA
ACAGGAGGAGAAATTAGGTATGGATGACTTGACTAAGTTGGTACAGGAACAGAAACCTAAAGGCAGTCAGC
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GAAGATATATTAGAAAATGAAGATGAACAGAATAGTCCGCCAAAAAAGGGTAAAAGAGGCCGACCACCAAA
ACCTCTTGGTGGAGGTACACCAAAAGAAGAGCCAACAATGAAAACTTCTAAAAAAGGAAGCAAAAAAAAAT
CTGGACCTCCAGCACCAGAGGAGGAGGAAGAAGAAGAAAGACAAAGTGGAAATACGGAACAGAAGTCCAAA
AGCAAACAGCACCGAGTGTCAAGGAGAGCACAGCAGAGAGCAGAATCTCCTGAATCTAGTGCAATTGAATC
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ACGGCGGCGAAGTGCTAAAAGGGAACGGCGATGAACAAATGTAATTAATAACTTTCTCTGTGAAAGCTTTG
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CCTCTGATAGGAGGACAACCATGCAAATTGTGAAATAGTCCTGAAGTTCTTGGATTACTTTACACCTCAGT
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GTGAGGTTATCTTGCTGCACTCTGTAGCAAATTTGTTTAATCTACATTATAATAAAATTTCTTGCTGCAGT
GCAACAGGAGGCTTTTTCAGTGATCTTCACTGTATATGTAAATTACAAATGTGGCTGTAAAACTTATTCCA
GGTATTAAAGGTTAAATTGCTTTCTATATCTTCTTATAACTTGTAAGTCTGATTTTTAAGATTTCCTTTTG
TCCACTTGTAAGAATGTCAGGAATTTAAGAATTTGTTTAAATTAGGCATATCTCTGCCATCACATAGTATT
ATGTCACCATAATGAACAATTGCTATTTAAATAGATAACCAATTTTCAGACACATTTTTGGATTTCTGTGA
AGTTGAATAAACATAAAAGCNNNN

Table3 3688

CGACAGAGTCTCGCTCTTGTTGCCCAGGCTGGTCTCGAACTCCTGACCTCAGGTGATCTGCCCGC
CTCAGCCTCCCAAAGTGCTGAGATTACAGGCATGAGCCACTGTGCCCAGCCTGTGTGGTTTGGTTTTAGCA
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ACATTTTGTTTTCCTTCATACAGTTCACCTTGTTGGTCTAGTCTATAGAGAAACAAGAGAGCTAAGATTTT
CTGAAATGCTTTAGGAAATGTTGTGGACTGCATGACTCCCCTGTGTTATTGATGTCAGGAAATCAAGCAGA
GTGTAGATATATGTCAATCAATAACTTTAGATAGGAAACGGAGTCAGTGGAGAAGTATGAGGAGCTTAAAA
AGAACCCTAGGGCTTTAGGAAGAAAAATCAGAGCTTAGAGAATAAAATTGATACTTTGGAGCTGANNNN

Table3 3689

NNNGCCATGTTGGCCAGACTGGTCTCAAACCTCTGACCTCGTGATGACCCCCCTCGGCCTCCCAA

Table 6
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AGTGCTGGGATTACACCCAGCCTCTGCTGCCTTTTCATATTTCCCCATCTGCTTTATGGATCAACTCTCAA
CAGTACACTTTTTCTTTTCTTTACCTACCCTATGAGTGCAACCCAGATGTAAGAGTTAATCCTCGTCAGAG
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TGGGAGGCTGAGGCAGGCAGATCACCTGAGGTCAGGCGTTCAAGACCAGCCTGGCCGGCATGGTGAAGTCC
CGTCTCTACCTCTACTAAGAATGCCAAAAAAAAAAAAAAAAAAGATTGGCCGGGCGTGGTGGCGCATGCCTG
TAATCCCAGCTACTCAGGAGGCTGAGGCAGGATAATTGCTTGAACCCGGGAGGTGGAGGTTGCAGTGAGCC
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ACCCTTTTGTTCCCTTGCCGATAGAATCAGTCACTATTAGAAAAAATGAAAGACGCTCTGTTTAAAACAAT
GATGACAGCAGTACTTAATATGTATTTCGAGGTGAACTTATATAGATTGAGAGAGGCNNNN
Table3 3690
GCAGTTTCCGTGGGTCTGTGAAGAGGTCGGCGGCCCCTGCGGGCGCCAGTCAGCTTTAAGAAAAA
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GAGAATAGAACCACTAAGAAGCAGAAAAGAGAAGATATTCTCGTGGGGGAGAACAACGGCTGGGAGGGGAG
GAAGCATGGCCAAGGCAAAGAGGTGAATACAACATGTTTAAGACCACAGAACATCTGCATAGGCTGTAAAT
TTCGTTGAATGATGGATGCAAAGATGGAAGACAGATGGATAGAGGAAAAGACAGAATCAGATACTGGATGA
GTTAGTTACCTTGCCC
Table3 3691
NATAAGACTGTAATTACTTCCCAAATAAGGAATGCCAAGTACCTTTTATTCCTAAAAGAAATTAC
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CAGGCTGCAGTGAGCTATGATCACACCACTGTGTTCCAGCCTGGGAGACAAAGCAAGATCCTGTCTCTTTT
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TTATTGACCCCAGGTGTCCTTTAGAACCACCTGGAAAGCTTTACAAAAAAAAAAAAAAAAGGGTGATTTTGA
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TGAGAATCACTAAGTCAACACATTTTGATATATCAAGAAAATAAATGGAAATGGGGGTGATAATTTATATT
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TAAGATAAAAATTCCCATCATTTCCTCACTGCACTAAACCACCACTGTACATCTTTGCCAATGAATGACTG
TATTTTTCTATGGTCAAGATTTAAAATTCTGGGATACATTATGAAAACTGCATTAATGAAAACAACCTACT
GCTATTCATGCTCAACAGTAGCAAGCTAAACTACTGTACTTGGCTCCTTTGAGCTACCCTTATTTTAAGAA
TTATAAATAGGTGTCAACCCACACAAAGAACAGATTGTGGATTACCGTAGGGAAAAAAATAGCTTACTCAA
CTTACTAAAAGTTTCAACACCAAAAAAGATTTAACTTGGCTGAAAGTTCTGAAACAGCTGAGACACAGAAC
CAGGAAGCTATAATTTATAATGAAATGTTGATACATACTTAAAAGCTACTGCAN
Table3 3692
ACCTGCTGTCCCCTCTCTGACTAGAAAACAGTTTCCCTAGATACCTGCATAGTTAGCCCCCTGAA
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TGACATATAACATGTCTACTTGTTTATATATGTATTGTGTTTCACCAGCATTGAAATGTGACTTTCACGAG
GGTAGGGATTTTTGTCTGTTTTATTTAATACTGTATCCCCAAGAATGCCTTGCATAAATTGGGACTAACAA
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CTTCAGTCAGCCAGCAAACTGTATGGAGTGACATCTGTGTGCTGAGCTCAGAGCTCTGTGCCTGGGATAGC
ATTTTACAGAGCATGGTGGGCATGGCTGGCCAGTGCTCCTGCTTACTTCGATTTTCTGCCTTCCCACTTTT
CCTGTGCTTATTATATTCTTTCTTAGAAGACTTTTTCCCCACTGTTGAGAACAGGGCAGACTGAGAAGCCT
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GTGACCCTAGCAGGTACACATGCTTGGGGTCATTGCATATCTTGCCTTCTGNNNNNNNNNNNNN
Table3 3693
NNNNNCCTGTGTGTAAAACGAACGGACCAGTAGCCTGGCGCCTACGGTCTTCCTNNNNNNNNNNN
NNNNNNNNNNNNNNNNNGCCAAAAANTGTTTGTACCTCTGGGCCATATTGCAGAACCCTGCCCTTCTTTGTT
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GCCCCTCCTAAGGTTGCTCAGGATAAATCATTTATTAAATAGGTCTGCTTATCAGGAGGGGCGTGAAGGCT
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TTGATTTTGATGCAGGAGTGAACAAAAGCTATCTCTACTTGTCTCCTAGTGGAAATTCATCTCCACCCGGA
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CTTGGAATCAATTCTCTACAGGAACTAAAACAGAACATTGCCAAAGGGTGGCAAGACGTGACAGCAACATC
TGCTTACAAGAAGACATCTGAAACCTTATCCCAGGCTGGACAGAAGGCCTCAGCTGCTTTTTTGTCTGTTG
GCTCAGTCATCACCAAAAAGCTGGAAGGTGTAAAAAACTCCCCAACTTTTAAATCATTTGAAGAAAAGGTC
GAAAACTTAAAGTCTAAAGTAGGGGGAACCAAGCCTGCTGGTGGTGATTTGGAGAAGTCTTGAATTCGGCT
GCAAATGCTAGTGCCACCACCACGGAGCCTCTTCCAGAAAAGACACAGGAGAGCCTGTGAGATTCCTACCT
TGTGGTCTGCTACCCACTGCCAGATGCTTGCAAGCGAGGTCCAAGCCCATCTTGTCAGCATGCCATTGCCT

Table 6
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TGAATTTCTACCAGATGTGCTTTTATTTAGCTTTACATATTCCTTTGACCAAATAGTTTGTGGGTTAAACA
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TCCTGGTCATTCACAGTGGCGTTGTTTCTTTACCCCCAGGGGAGAACTCTTACTCCACACAATTTGGGTAG
CCTGTGTGGGCTACAGGCGCATTTGGTGCGACCCCCCGGGAAAGCGGGTCCCATTAGTTGGGGCAAAACTT
TTCAACCCGGGGGGGGGCGCAATATATTAACGCGGGGGCGCGCCGGTGGTTTCCTAACTACCGCGGGGACC
AACCCGCCTGGGGACGGCCGGCGACGGAACAATTGGTGCTAN
Table3 3694
NNNCTGGCCCTTCTTAATATTTAAAAATGTATTTCCCCTTGTGGCTTTCAACCACCTGCTCAAAA
AAAGAGACTTGTTACATGAAAGTTTTCATTAAAGAGCTGAAATCAAGAATTTAGAGAGCCATTCCTAGAAA
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AAAAGCATTGGCATGAGCCAAAGAGTCTGTCTTAATGTTACTTTTGAAAATCTGCTGAGCGGCCACCATAT
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GAACATGCAAGTGTTCAGGTTGTGTCAAGAAGCTTTTCTTTCCTTCTATGATGGAATCTGTTCTTTTCTAT
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ACTTCAGCTAAGAACCAATGGCTCCTACCCCCGCCCCGCTTTTTTTTGTTGTTTTTTGTTTTGTTTTGAGA
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TGCCGAGCCAGCCCCATTTTTTAAATGATGTTTTGGTTAAGAGTGGACCATGAGAATTAGCTGACAGCATC
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GTATTTAAGATGGAGCTGTTTTACCTACTTCATAAGACAGTTGCGAGGTGCCATTGATTCTTGACTGCAAA
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TTGAAAGTCACATCAAAAGACAAATGTGGCCACGTTCAGGAATTGGAGACTTACTGGCATGGCTCTACAGC
TGCTCAGTTATTAATCATGCAGACTAACCTGTCAACACTGGGAGATGCAACATAGCAAAAGGACAGAGAAA
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CACATGCCCTCAAACATGCTAGATTGGCTTATACATAGGCCAACACAAAATACAAACGTGACGTGTTCATG
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Table3 3695
NNNNGAGTCATTTTCTTGTTCTGTCACCAAGGCTAGAGTGGAGTGGCACGATCTCAGCTCACTGC
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TAAGACTATGAGACATAACTAAGTCTTTCTATATGTTCATGAACAAAAAACAATGACTATAGGGGCTCTGA
CTCAACTTATAGGATCATGGCGTCACCCAGTGGCATATTTATCCCAACAACTAGACTCCGTGGTGTTAAGA
TGGCCTCTTTGCCTTAAGGCATTAGCTGCCACCATCTTGTTAACACAAGAAGCTAGCAAATTAACTCTAGG
ACAGCAACTAACTGTCCCGGTGCCACATTCAGTCATAACTTTGATGGATCAAAGAAGGCACCATTAGTTAT
CAAACCTGAGGATGACGTCGANN
Table3 3696
NNCGCATGACTTGGTAGGTGGTCTTAACTATGGATTGGTTGGTGTTTGGCTGTTCAGGGTCAGAT
GTCTGTGTTGGTGCTTCTGGCTCCTCGTATTGTTGATACCAAGTTTCTGCGCTTGCGTCAAGGGATGTCAG

Table 6
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GATCTCATTCGGTCTCGCTTTAGTAGTTGGCATGGATCTCTGGTGATCGCGCAGATCCGATCTTAGAGTTA
GCCGACATCTTGGTGCTGGTAACTTGGTGTGTGAGTTCAAATCGAAAGTCATATGGGTGTGATCCTACCTA
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GGGCAAGGTTTCTGAGGGACTTCAAGGTACAGAAGATACACAAAGTGGCACCAGCCTCACTAGCACTCTCA
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CAGTGGAGACATATGGCCAACTCCACCTTACCCAAGTGGCTGAAAGTCACTGCACCAGTAATGGCACAAAC
CAATGTGAGATGATTCCTGATATGATACACTAAAAAGGGCACTGTCTCTTCTGCATGTTGCAGACAAAAAG
TGGGTAAGCTGACACTGAAACTAATAATTAGGCAATGTCAAGCAAATACAAATTCAGGTTGACAGTCTGCA
AAGTAACATCCATGTACTCTTCAACAATGGATCGACCCTAGCTACTCAGGAGGCTGAGGTGGAATAATTGT
TTGAGGCCAGGAGTTCCAGATCAGCCTGGGCAACATCATGCGACCCCATCTCTAAAAACATCTTTTTAAAA
ATGAGCCAGGTGTGGTAGCATGCACCCGTAGTCTCAGCTACTCAGGAGCCTGGAGGCAGGAGGATGGTTTC
AACATAGGAACATCCAAGTGCTGGAAGCTAAGAATCGGGCTATAAACN

Table3 3697

CGCGTCCGGCGGAAACATGGCGGTCGCGGCCGGGCCGGTAACGGAGAAAGTTTACGCCGACACTG
GCCTGTATTAGCGCGTATGGCCTCGGGCCCTCGTTCCCCAAGGCGTGCCGCCTCCCTGTTCTCAGTCGCAG
GCTGAAGCCTTGTCTGCTCTCCTCCTTTTTGGTTTGGTTTTGGAACTGACTCCGAGGGTTGGGAGAGCGCG
TTGGTGGCGACGGCCGAGTCAGATCACTATAAACAAAATTTCCACAAGAGAAAATGTTGAAATAGGAGTTG
CGGATACATTGGATATACTGGATGAAATACAAGCGGTTAATTTTTGTAACGTGAGGGAAAAGCCCACATTG
CTGGTTACATGTGTAAATCACTGCGTTATTGCTTTAGTCATTGTCTCTATTTAGCAATGACAAGACTGGAA
GAAGTAAATAGAGAAGTGAACATGCATTCTTCAGTGCGGTATCTTGGCTATTTAGCCAGAATCAATTTATT
GGTTGCTATATGCTTAGGTCTATACGTAAGATGGGAAAAAACAGCAAATTCCTTAATTTTGGTAATTTTTA
TTCTTGGTCTTTTTGTTCTTGGAATCGCCAGCATACTCTATTACTATTTTTCAATGGAAGCAGCAAGTTTA
AGTCTCTCCAATCTTTGGTTTGGATTCTTGCTTGGCCTCCTATGTTTTCTTGATAATTCATCCTTTAAAAA
TGATGTAAAAGAAGAATCAACCAAATATTTGCTTCTAACATCCATAGTGTTAAGGATATTGTGCTCTCTGG
TGGAGAGAATTTCTGGTTATGTCCGTCATCGGCCCACTTTACTAACCACAGTTGAATTTCTGGAGCTTGTT
GGGTTTGCCATTGCCAGCACAACTATGTTGGTGGAGAAGTCTCTGAGTGTCATTTTGCTTGTTGTAGCTCT
GGCTATGCTGATTATTGATCTGAGAATGAAATCTTTCTTAGCTATTCCAAACTTAGTTATTTTTGCAGTTT
TGTTATTTTTTTCCTCATTGGAAACTN

Table3 3698

NNNNNATTAAGAGCTATTACAAAGTTCTTTCCTCTAAGTAAAAAACCCACTAGAAAAAGATATTT
GTAAAAATCATTGCAGGGTTACTGATACTGAATGAAGCACAGGGGTACTGGAACAGGGATAAGTTCTTGGA
TAAGGTGCCAACATACCTATAAAAGCTGATTTTTGAGTAAATTATTGATTCTAACATATGTAATGGATTTG
GTGTGATAATTTTCTGATCTTTAACTATAAGTGACTTTTTATTCTCCACCAGAAAAGATAAATGACTGAGA
ATGTAAGTCTGCGCTCTGATTAACACAATGGAGAAACGGAAAAACTATCTCTGTTAAAAACTGATTCCTGT
CATTCTTCTGATATCAAATAAGAGGAAGGAAAATAAACTTTTTGTGTGTAGATAGAAAAACATACCTGAGG
CCAGGTGCAGTGGATCACGCCTGTAATCCCAGCACTTTGGGAGGCCAAGGCGGGCAGATCAGCTGAGGTCA
GGAGTTCGAGACCAGCCTGGCCAACATGGTGAAATCACGTCTCTACTAAAAATACAAAAATTATCTGGGTG
TAGTGGTGCGTGCCTGTAATCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATCACTTTAATTCAGGAGGTG
GAGGGTTGCAGTGAGCCGAGATCATGCCACTGCACTCCAGCCTGGGCAACAGAGGGAGACTCCACCTCAAA
AAAAAAAAAGAAAAAGTNNNNNN

Table3 3699

NGGGCGAATTGGAGCTCCACGCGGTGGCGGCCGGGCAGGTACGCGGGGGAGCTTGGATTTTAAGG
CAGTAGCTTGCTGATGCTCCCAGCTGAATAAGTCCCTTCTTTCTACAACTCGGTGTCTTGAGTTTTGTCTG
CGGCTCCTCCTGTTACATTTCTTGGCTCCCTGACCGGGAAGCAACGTGACTGACAGACAGCTGAGGCAGCC
CCTTAGGCAACTTAAGCCTGCCTTGTGGAGTGCCCCTGTGGGGGACTCCAGCCAGCCTGAGTGACATGATC
CAAAGAGCCCTCCTGGGTAGGAAATTGCCCCGGTGGAATCCCTCACCAGAGAAGCAGGTAGCAGGCCCTCG
CAGAGGATTAACACAGTGGCTGAACACCAGGAAGGAACTGGCACTTGGAGTCCAGACATCTAAAATTTGGT
ATCGTGCCTTGGATCCACCACAGTCAGCTGAAATTATCAGCCCAGGACCAGTGGACCAACCAGCAGGACAT
AGACCATCTGACCCGAATGATCCTGCAATGAGACCACATTGCCAGTGGAGATGACAACAGCACTGCTCTGG
TCACTCTGGAAGATGACCAGTCTATGCATGGTGGAAGCTTGAGAAAATAGCAAGCCCTGCTCTAGTCACAC
CAAGAACTGACTAGTCTATGCA

Table3 3701

NNNNNNNNNNNNNCCGAGGTACTACTCGATTGTTAACGTCAAGGAGTCGCAGGTCTTCTGGTTCT
AGGTAAATGGGGGAAGTATGTAGGAGTGGAAGATTAGTCCGCCGTAGTCGGTGTACACAGGCCAAGAAAAA

Table 6
2607/3331

ACCGTATCAAAATGTAAATATAATTCCACATTACAGCCAGTTAAAGAACAATGGGAAGACCAAGAAGGAGA
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CCCTGATTGTATGCACTGTGCTAGGGAGAAAGACATTCAGATGCTGAAATAAAAAACTAGGGAATTAGTAA
AAATTGGATCTCTAAGACAAATAAATTGATCAAACTATAATAATAATCAAACTTCTAATAATGTATAACCT
CTCCAGAGATGAACTCCAAGAACAGCTCAATGGTTTGTTGAAAAAAAAAAAAGAGACCCCTGGTTTATGCA
CTTTCTCCCCAAGGGAGACATGGGGTTGATCCATCGGGTCTTCTTCAATTGCACAGTTGGCAGGCTGGCCA
TTCCCATGGAGGGTCATTCTCCTTTTAAAGAATGGTTAGGTAACCTTCAGCAGCCATAGGGCACTTTAGAC
ATAAAGAGACAAAGCCATCACTGACCCAGCCCAGCCACGAGAATTCCTGAGTTGGAAGAACCAGGGTGTTC
ACCTCCCACTCAACAGAGAATTCCCTTGGAAGCGGACGCGTGGGTCGAAGCTTAACCTGCCGGGCGGCCGC
CACCGCGGGGAGTTCCAANN

Table3 3702

NNNNNCCTGTGTGTAAAACGAACGGACCAGTAGCCTGGCGCCTACGGTCTTCCTNNNNNNNNNNN
NNNNNNNNNNNNNNNNGCCAAAAANTGTTTGTACCTCTGGGCCATATTGCAGAACCCTGCCCTTCTTTGTT
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CCCAAAAGGAAATGCTGGCACCTGGGCCCAGAAGCCAGGGCCTCTAACTCCTGGGGTTGATTTCTTCAGTG
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GCCATGCATTCTGCGTTTGTCTGGAATGGATTGTAGAGAGATGGACTTATATGAGGACTACCAGTCCCCGT
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TCACCTACTCTTCAGAAATTTGGTCTGCTGAGAACAGACCCAGTCCCTGAGGAAGGAGAAGATGTTGCTGC
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CTTGGAATCAATTCTCTACAGGAACTAAAACAGAACATTGCCAAAGGGTGGCAAGACGTGACAGCAACATC
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GCTCAGTCATCACCAAAAAGCTGGAAGGTGTAAAAAACTCCCCAACTTTTAAATCATTTGAAGAAAAGGTC
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GCAAATGCTAGTGCCACCACCACGGAGCCTCTTCCAGAAAAGACACAGGAGAGCCTGTGAGATTCCTACCT
TGTGGTCTGCTACCCACTGCCAGATGCTTGCAAGCGAGGTCCAAGCCCATCTTGTCAGCATGCCATTGCCT
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CCTGTGTGGGCTACAGGCGCATTTGGTGCGACCCCCCGGGAAAGCGGGTCCCATTAGTTGGGGCAAAACTT
TTCAACCCGGGGGGGGGCGCAATATATTAACGCGGGGGCGCGCCGGTGGTTTCCTAACTACCGCGGGGACC
AACCCGCCTGGGGACGGCCGGCGACGGAACAATTGGTGCTAN

Table3 3703

cgaccccGCGTCCGCGGACGCGTGGGCTCCGGCGCTGACGGGTGTGGACCGCGGACGTCGCTGGG
ACAGCCCCTCCCCGCTGCTCGGCGGCGGCACCTGGCCCGGCCGCTCCTCGCTGCGCTTCGCCTCCGCCTCC
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AAGATGCCCCGTCTGATTGCCAAGGTTGAGGGCAAAGGCAATGGAATCAAGACAGTTATAGTCAACATGGT
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AGACCCAGTTTGATGTTAAGAATGACCGTTACATTGTCAATGGATCTCATGAGGCGAATAAGCTGCAAGAC
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GGGTGTTATTGATTCATCTGACAAAGAAATCGTTGCTGAAGCAGAAAGACTGGATGTAAAAGCCATGGGCC
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CGTGTCAAAGCAGAACCATTTATAAAATGGTTGAAGGAGGCAGAGGAAGAATCTTCTGGTGGCGAAGAAGA
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CAGACAACAAGGATGACGACATCGATATTGATGCCATTTAAAGGGATGGATGCAACCTAGCTTAACAGTAT
AATGCTGCAAATTTTCCTCCATTATCAGCCAGAAGTGCAACATGTATGTGCAAAAGCTAAAATGGCTTAAC
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Table 6
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GGAGTCCATACACATCAGTGAGCAGATGTAGTTTGCTTATTTATAGCATGTTTCTTTTTGAAAAACTAGTG
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TCATGTACACTTGCCCCAAATTGTCTTTGAAGTCGTGTGCATTGCACGTTGGATGAGCCAGGGAAATTATT
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GCTTTAATTTTCCCCTCTTGCAGTTTGTTCTGTAATGCCTTTTACATTTGGACACATAGTTTATGCTTTTT
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caggttatcctaatagngtaa
Table3 3704
NNNGCCGGCCGCCCGGGCAGGTACGAATTTAAGCACTTACATGAGGGGGTTAAGTCAGAGTCTGT
TGAGGAGCTGAAGAAGGTGGCTGAGGAGCTGGAGGAGAAGCTAAGCATGCTCAACAATAATTATAAGATTC
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Table3 3706
NNNNNNNNNNNAAATCACTTTTTTTTACTGGNTCTAACGNTCTCTGTTGGGTGTTATTTCATCCC
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Table 6
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GACGTGGAAACAAGTATCTGAGTTCCCTGGAGATCAACGGGATGAGGTGTTACAGCTGCCTCCCTCTTCAT
GCAATCTGGTGAGCAGTGGTGCAGGCGGGGAGCCAGAGAAACTTGCCAGTTATATAACTTCTCTTTGGCTT
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CAAATGGATTATTTAAACCAAGTTTATGAGTTGGTTTTTTTTCATTTTTCCATTTGTATTTTATTAAGAGT
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Table3 3707
NNCGAGCTAAGCCGGAGGATGTGCAGCTGCGGCGGCGGCGCCGGCTACGAAGAGGACGGGGACAG
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Table 6
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TCTGAAATACCTTTAATTTATTTAATATCTGTTGTTCAGAGCTCTGCCATTTCTTGAGTACCTGTTAGTTA
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Table3 3709
NNNNNNNNAAGCTCTATTCAGNAGGGATCTAGCCTTTGCAATAATGTCGANCCTAGCCACGGAGG
GTGTTTTCTTGTTACCTTATAAAACAGGTAATAACCAATCATTTTGTGTTCGTATTTCCATCCTTTTTATG
TTCTGGCCTTTGTGTACGACTGATGATTAAGTAAGGCAAACTAGCTTCTACTTTTCAAACGAGCCGCCAAG
GGCATTAATAGACCCCATTTGTAAACTGAGAAATGATTCTCGTTTTAGTAATCATTCTATAAATGATACTG
CTGGATTGATTGCCGAGGGTTGATAGCTGGAGGAATTGTTTTGGACAATACTAACATGTGAATCTATGTCT
TAGTTTTATTTGCAGCCTTGCTAAGTAAAATGAGCCTTTGTATCTACTTATTAATTAAAGTGAAATTTAGC
GATAGTGAATATTAGGTGACATAAATAAAACATCCCAGACTAGTGAGTTAAN
Table3 3711
NAGAGAGAGAATGGAGTAGATGATGGGGTAATGCAGAAAGAAGATGACGAAATGGGGACATTGTT
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NCAGGTCTTCCAGACAACCGGCTGGAGGCTCAGTGTCAGAAGTTTGGTCGGATAAGCCCAGAGATAAGGAT
GGCAATACTGGGGNCAGTTCTCTCAGAGCAACCAGNCCTGAGGCTACAGTTATAGAAGATTCTGTTGGATA
TAGCCAAGAAATAAGGATGAGAAAATCTGGGNCAGTGCTCCTCAGACCAATCGGCCAGAAGGTATATTTAA
AAAGAAAGTTTCTCTTTGAATATTGCACAAGGAATACGGGCGGTTGGAAATCTGGAACAGAGTATCCTGAG
AATCTGCCCACCTTGAAGGCTACAATTGAAAATAAAAATTCTGTTCTGAATACAGCCACCAAAATGAAAGA
TGTACAAACATCCACACCAGCAGAACAAGACTTAGAAATGGCATCAGAGGGAGAGCAAAAGAGGCTTGAAG
AATATGAAAATAACCAGCCACAGGTGAAAAACCAAATACATTCTAGGGATGACCTTGATGACATAATTCAG
TCATCTCAAACAGTCTCAGAGGACGGTGACTCGCTTTGCTGTAATTGTAAGAATGTCATATTACTCATTGA
TCAACATGAAATGAAGTGTAAAGATTGTGTTCACCTATTGAAAATTAAAAAGACATTTTGTTTATGTAAAA
GATTAACAGAACTTAAAGATAATCACTGTGAGCAACTTAGAGTAAAAATTCGAAAACTGAAAAATAAGGCT
AGTGTACTACAAAAGAGACTATCTGAAAAAGAAGAAATAAAATCGCAGTTAAAGCATGAAATACTTGAATT
GGAAAAAGAACTCTGTAGTTTGAGATTTGCCATACAGCAAGAAAAAAAGAAAAGAAGAAATGTTGAAGAGT
TGCACCAAAAAGTTAGGGAAAAGTTAAGAATAACAGAAGAGCAATATAGGATAGAAGCTGATGTGACAAAA
CCAATTAAACCGGCTCTCAAATCAGCAGAGGTGGAATTGAAGACAGGAGGAAATAATTCAAATCAGGTTTC
TGAAACTGATGAAAAAGAAGACCTGCTGCATGAAAACCGCTTGATGCAAGATGAAATTGCCAGGCTCAGGC
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AAGCATGAAGACCTTCAAAAGGCTCTAAAACGGAATGGGGAAACATTAGCAAAAACGATAGCCTGTTATAG
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GGCAAAGACTGGAAACAGAAATGCAATCATACCATTGTAGACTGAATGCTGCTCTATGTGATCATGATCAA
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Table3 3712
GAGACAGAGTCTCGCTCAGTCGCCCAGGCAGAGCtTgcagnggcAGAGATCACACCACTGCACTC
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TCTGATAACTTTGGAGATTgtgACAACAGAATAGAGGAAGAACCTTCAGGACTCATGGAGAGCTAAATGTT
CATGAGTATCAAGCAGGAATTAACAGGAATTAACTgcATGGACTGAACCAATCTTTTTTACTTTTTGCTCa
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TAAcaaTTtaagatac
Table3 3713
ACGCGGGGGCACACAGATGGCATTTTAAAGTTTATAAATGAATAATGTCTGATGAAAACATCAAA
GCTACTTTCTAGATTTGTGGAGATTGCCCAGATAAACGAAGTCACGGTAAAAGGCTAGTGTGAGAAACACC
AACAGCAGGCCCATCTCAGATCTTCACTATGGCAACTTATGCAAGAAACTGTTGAATTAGACCCGTTTCCT
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TTGGATGTGAAAATTGCCTTTTGTCAGGGATTCGATAAACAAGTGGATGTGTCATATATTGCCAAACATTA
CAACATGAGCAAAAGCAAAGTTGACAACCAGTTCTACAGTGTGGAAGTGGGAGACTCAACCTTCACAGTTC
TCAAGCGCTACC
Table3 3714
caaacggcagtgagggaatctaagtggtcaaattcctagaaatacttgtcctcagcaccactagg
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gcaatgacttaggagtctcccacagctggtcagacaggcattctgtgaagcagatggccagtggacagtgt
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Table 6
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aagaataatttggagaggggactagcatcttaccacctggagtaaaaaatggtatcataaaagatctattc
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AAAATACTAAAGGAAATCAATTGTTCACAGGTAACTAcaatttgtattatctacaagtgcctttaaaca
Table3 3719
NNNNCCGAGGTACTGATTCCATGGGATATGTCAATACNCCCTCCGTGAGCTTGGACCAGGCAGGA
GAAGAGAGTGGTATCACCTGGGTAATGAATGGAAATATATGTCATAATGCTCCTTTTTGGCAGTAGAGTTA
CATTACCAGGGTGTCAAACCCAGCAATATGTCACAATTGCTTATGTGGTCGGGGAACAGGCAGGAGAGTCA
CATAACCTGGGCATAGGGCTCACAGACATGTCCCAATGCCTTCCGTAGGCAGTGCCAAGGCAGGGGAGGAG
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AATAGAATCACATCCCCTCAGTTCTGGGTTCAGCTGTGTGTCACTATTCCATCTGTGGGCTGGTCTTAGGC
AAGACAGTCAGATCACTCAGGTGCTGGGATTTCAGCCAAGGTATCTCACATATCTTCCCCGAGGGAAGGAA
ACAAGCAGGAGTGTCATATCACCTGGGTGCTCCCTGTGCCNNN
Table3 3721
AGGGATCGACCCCGCGTGATGCTAGAACATAATGTAGCATTACTTTCCCCAGGGTTTATTGTTAT
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CTGTGGGGAAACTCATTTGTGGAGACCAGCCCTCTGGCTTGGTGAGTGAATCTGGTTTACACCGGCTCCTG
CCCTGCCTTCACTCTTCTCCCCTGATTCAAGACTCCTCTGCTTTGGACTGAAGCACTGCAGGAGTTTGTGA
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TGTCCTGTGTGTCAGACCAGATTCCAGCCTGGGAACCTCCGACCTAATCGGCATCTGGCCAACATAGTTGA
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GCTGATAAAGGAGGATCAAGAGGCTGAGAAGCTGGAAGATGACATCAGACAAGAGAGAACCGCCTGGAAGA
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CCCACTTCTGCATAGTAGCCCTTGTGCTGAGACTCAGATTCTGCACCTGAGTTCATCTCTACTGAGACCAT
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Table 6
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TGAGGAAGGCACGATTTCACTCATAACAATCTTACCCTTTCTTGCAAGAGATGCTTGTACATTATTTTCCT
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TGAAGAAAGAGAAACTTGTCAACTCATATCCACGTTATCTAGCAAAGTACATAAGAATCTATCACTAAGTA
ATGTATCCTTCAGAATGTGTTGGTTTACCAGTGACACCCCATATTCATCACAAAATTAAAGCAAGAAGTCC
ATAGTAATTTATTTGCTAATAGTGGATTTTTAATGCTCAGAGTTTCTGAGGTCAAATTTTATCTTTTCACT
TACAAGCTCTATGATCTTAAATAATTTACTTAATGTATTTTGGTGTATTTTCCTCAAATTAATATTGGTGT
TCAAGACTATATCTAATTCCTCTGATCACTTTGAGAAACAAACTTTTATTAAATGTAAGGCACTTTTCTAT
GAATTTTAAATATAAAAATAAATATTGTTCTGATTATTACTGAAAAGATGTCAGCCATTTCAATGTCTTGG
GAAACAATTTTTTGTTTTTGTTCTGTTTTCTTTTTGCTTCAATAAAACAATAGCTGGCTCTGNNNNNNNNN
Table3 3726
NNAGGCTATGGTGAAGTTTTGCTGGTCGACTTGGATGCCAGGTAGGCATGTCTTCAGGTTCTAGT
CACGGCAGTGGTAGGCCAAATATTCCTTTCCTTGGGACCTAGGGCAGTGTATAATGGCATTAGTGTTGGCT
AGTCCAGAGAGCTGATTCTTGAACCTCTAGGTGGCTTGCCTGGTTACTGGTAGTGACAGCAGTAGGCCAGT
TGGGTGGGCAGGTTTTTGGGCTCCTGGGCATGAAGTATGCTATGGGCAATATCAGTAGCCGTGGCAGGACA
AACCTCTGGCTTCCGAGTTGTCTATCCCGGTATTGACAGTGACAGTGATTGGCTTGGCAGGCCAGT
Table3 3727
ACTTACCATCTTGTCTCTCAGTAGGTTCTTGTGACCTAAGAGGAAAATGTTTAATATTTGCTTTA
TCTATTAGATCAGAACCTCTTCGAAAAAAGAAGAAGGTGGATCCTAAAAAAGACCAAGAAGCAAAGGAGCG
CTTGAAAAGGAAGATCCGAAAACTGGAAAAGGCTACTCAAGAGCTAATTCCTATTGAAGATTTTATTACCC
CTCTAAAGTTCTTGGATAAAGCAAGGTAAGGATCCTTCTCTAGGGATGAAGTCCTCAGGACAAAGGAGTAA
TATCAACTTCAGGTAGTTGTGTCTGTAGTTCACACCTGTGATAGTCATTGGTCAGTAGGCTTGAGCTGACT
TGGCCCTAATGAGTCCTTGCTCCTTTTGGAAGCAGGAGAAAGCATCCTTGGGTGGTAN
Table3 3730
gcagtagaaggtgagttTGagatgAGAGgaacaagTAGGAAAGAGTGATCCCCTGAACCACCtct
tcgcttTCTCAGCTTTCATCCCCACCTAGGTTTTGTGAGCCTGGAACTtgagaGACTGTTCTGTAGCCCAG
GTCTCCTAAGATTGGCTGCTGGACTTGCCTGAGTTGAGGGTGCAGTGGGTTGACCCTGGGCTGCCCAGCAT
TCATGTGGTAGTGAAGGAAGGAGGACTGGATCAATCCCATTTCAAAGCATCCCTCTCTGCAGCCCGCACTG
TCCTCCAATGACACTGTAAGGAAACCGCTTTAAGACGTATCAACGGCTTTAAGTAAATGTATTTTCTGGCA
TCTGGGAGACCTGACATTCTGTGTCATAATGAAAATCTGTCATGTTTCTTTATTTTAAAAATGATAAAACT
GCAGGTTCACAGAGTGTCATGGCTTACTTGAGGTCACACGGGGATGAGTTTTCAGCACTGCCAATAAAAGC
AATTACATGAATTATTCAGTAATTATTCATAGGATCCATATAATTCAGTAAATATTCACATAATTATTTAC
TAGTTGTTCATTGACCAATTCGTACAAGGCATTTTGCTCAAAACTGTGCTTATATTTGGACATTGTATCTT
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TCACGTATTTGGCCATATTTCCATTTTTTGGTTTTTGTGATGCTGGAAGAATGACccaGAATGGGTCACGG
GAAGAGTATTCATTCCTGTATTATTTTCCAGGACAGAGGTGTGCCCTTCTAGAGTACTGGGACCAAAATTC
AGAAGTGTCTGAAACCTTGCTTTAACAGTATGGGAAATAACCTCTATCACCTGGAATTTCCCTGGAACTTT
GGAATATACAAGAGAAGTATGAGACGTGGGTCTTCCCTTGGCTGTGTTTAATTCACTCTTCTATGGAATAC
CAATGATTCTCACTAAGACTTTTGCCTTTTTATAACCACAATGTATGTCTTATGGAGAAGATTTTACACTT
TGCTCTATTTAGAAAGAATAAATATGAGCAATAGTTTTAGGTTTTATGCCCTGGACTTCATATTTTTCTGA
TTTCTGTTTTGAGATTAAATTCTCATGTAAATAGAAAAATACTTATTATTTCTCATCAGGCCAAGTTTGTT
ATCAGCTTGAGTTTTTGAAGATGAAGCACAAACTTTTGATTTTATCTTTGTCCTCATCAGCGCCACTCATT
GTCTCTCAGTATGGCCTGGACTTGCCCCTGCATTTACCCTCATCCTGCTGAGCCATCTCCATGCACTGCGC
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TGAACACAACTGTCCTGAAACTGAAAGAACCTGCTAAATTTCGAGTTTCTGGTTAGGTGGCTAGAATAGGT
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AAGGGCTCATGTCTCTGTTGTACTCAAAGTTCAAATGGAGCCCAGCAAGCCAGATCTCCTTTACTCCTAAG
TTCCCTCAACAGTTTCTCCTCTGCTTTAGAGACTGCCTTGAAAATATTCTTGTCCTGCTGTTGTGTTTTGG
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ATGGGATGATTCTGTTTTGCTGATGAAGAAACTGAGGCATAGACAGTCTGTAACTTGCCCAAGTTCCCCTT
GCTGTAAGTCCTGGAGCCAGATCTCAGGTGGAGCAGCCTCTTCCCCATCCCCTTCCCACATTTTCCAATTC
AGCTGGGTCAATTCTTTCAAAGTacgtgtttctctcccctataactcatatctgaaacaaggagacttgt
cattcacttctttcatctaatacaatttctcacaaaatgctgcgagcatcatattctgggctctcactatt
aaacggagatgc
Table3 3732
ggGAGTCGACCCACGCGTCCGGACGAATCGCGCcagGGAGCGCTCAGACACCTTCATCAACCTCC
GGGAGGTGCTCAACCGCTTCAAGCTGCCGCCAGGAGAGTACATTCTCGTGCCTTCCACCTTCGAACCCAAC
AAGGATGGGGATTTCTGCATCCGGGTCTTTTCTGAAAAGAAAGCTGACTACCAAGCTGTCGATGATGAAAT

Table 6
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CGAGGCCAATCTTGAAGAGTTCGACATCAGCGAGGATGACATTGATGATGGATTCAGGAGACTGTTTGCCC
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CAGACAGAAGCAAAATACTATTAGTTATTTAAGGCAGAAACATAAGTGATTCTTCCACGGCCAAACTAGAG
GCACAGAGCTGGAAAAACTTCATCCCCACTCAGCACATACTAGGGAGGTAACTTGCCAGCTTTGCTTTGGG
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CTGGAAACGCTATTCAAGATATTTAAGCAGCTGGATCCCGAGAATACTGGAACAATAGAGCTCGACCTTAT
CTCTTGGCTCTGTTTCTCAGTACTTTGAAGTTATAACTAATCTGCCTGAAGACTTCTCATGATGGGAAAAT
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CTTAAACGGGATGATCCATAGGCTGGAAAATAATGGATACTGtgcaATTTGaGGATAGGCAGGAAGTTttc
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aca
Table3 3733
NNNNNNNNNNNNNCGGAAGTCTTCTAGAATTAATTAACGCGGGCGCTCATTTCACAGCTGTGGATT
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ATAATGGNNNNN
Table3 3734
actgggtacccgggcCCCCCTCGAGAGTACTTCTAGAATTAATTAACGCGGGGGCAGTTTGAATC
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ggcaaaattgtgtcacagagatacagtccactggaatCACCAaCACtgcacAGCTGtTAGAGTATttAgaG
tcctgAGaTaacAAGGAATCCaattcttcatctccacgaaTAGCAAGTTGCAAGTGACGAGGGGTAATACG
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Table 6
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ATACGGCCCACTGGGAaCTGCAAGccgGCTCTCTGCGAGCGGGAAACCGCCTTTGTCTTGGCCTTTCCGGA
GTCCTTTCCAGCCTTACCGCCAGCCATTTCGAATTCCGCTGAAGCTCAAGCAAGCAAGGCAGAGAAAAGGC
TAATCGGACCCACGGTGAGATCCCACCAcctACTCCTTCGTCGCACCGCGCCCacgaGTCCG
Table3 3735
ATGTGAACGTACTTAATGTCAATAATCTGTAAACTGAAAAAGAGTGGAAATTGTAAATGTTTATA
CTGGCCATTCTATATGAAATAATATATATTTATAATTTTTAATATTTATATGTGGTATATTTTCCCATAAT
GAAAGATTAAAATTAAAGCAGTTGGATCTTTAAAAAGAAAAGAAAGAAGTGAATAATACACACCAGCTTTC
TCCTGATTAGAGGAAGAGCCCCAAAGCTTCTATGGACACTCACTTTTCTCTTCTTCTTCTTGCATTATTAT
GAGGAAATCCTTAAAGGTTGGGGAACTTGGGCGACTTTGGCTAATGAGGAGCTCTGTGCCTTGAGCCCCCC
AGGCCATAGAATAGTAAATAGTCTGTGCCTCCAGCCCTGCAGTGTGAGGTTCCAGTCCTGTGGGCTCCACA
CCCATCACCTGTATCAGGAGGCTCATGTCTCACCCTGTCTTCTTGCCAGCCTTGAGGACGGAGTCTGAGCC
TCCATGGTGCACCACACAGGGAGGACAGTGGACCTGTTCTCCGTGGTCATGGCCCAGCAGAGGGGAAGGGC
AGTTCAGTGAGTGTAGGCAAAAGAAAGAGCGATCAGACTCTTACTGTGTCTATGTAGAAAGGAAAGACATA
AGAGACTCCATTTGAAAAAGGCCTGTACTTTCAACAATTTCTTTGCTGAGATGTGTTAATCTGTAGCTTGC
CCCAGTCACTTTGAACAAACCACTTTGACCCAACCTGAAGCTCACAAAAGCATGTGTGTATGAAATCAAGG
TTTAAGGGATCTAGGGCTGTGCAGGACGTGCCTTGTTAACAAGTTGTTTCCAAGCAGTATACTTGGTAAAA
GTCATCGCCATTCTCTATTCTCAATAAACCAGGGCACAATACACTGTGGAAAGCCTCAGGGAGCTCTGCCC
TTGAAAGCGCCGTATGTCCAAGGTTTCTCCCCATGTGATAGTCTGAAAAGTGGCCTCGTGGGAGGAGAAAG
ACCTGACCATCCCCGAGCCGACACCAGTAAAGGGTCTGTGCTGAGGTGGATTAGTCAAAGAGGAAATCTCT
TGCAGTTGAGAGAGAGGACGCGGTGTCTCTGCTGCCTGGACTGATGTTCGGTTAAACCGTTGTACTTGTCA
TCTGAATGGGGGAAAACGCTATGTGGAGTGGACCGTTGGGGATGGGCTGTTTTTACCTGGAGTGGGGGGAA
ATAATTGTAAACGTGGTGACTTCTGATCTGGTAAGTGCAGGGGGAACCATAAGGCGAATTGGAAAAAAAAA
GGGAAGGGGTTGGGCCNN
Table3 3736
NNNNCGGTACCTGAAACAGGCTGATCCTGGTAGGGGGTGGATGCTGCTTTTCGAGCCTCTGAGTC
AGCTTGGGGGTTCCCCAAGGCAATCGAGGTAGAAGCTCGCTGGTGTCCTCTGCAGTGCATGAGCCACCTTT
GGGGGCTTCCACACTGCCTCTAATAATTGCAGGATCTCTTGCTGATACTTTATGTCTTTTCTCCCAGCGTT
CAACAGGGCTTTTTCCTTGTAGAATGCCCCACGCAGTTGGAGAGTTAAAAAGGCACACCAAGAGTCAGTGT
AAATGTTTACAGTCTTACCTTCACTTAGCTCAAAGGCCAGAATTAAAGCAATGAGTTTGGTCTTGCGGGCT
GAAGTGCCCTGGGGCAACGATTGGGCTTCAATGACAGCATCCAGGATTACCATATCCTACACACCTCTCTT
CTTGTGGGTCGACTAAAGCTGCTCCCATCCACGTACAGCTCCCAGTCTACTGATGTTTAAGGATGGTCTCG
GTGGTTAGGCCCACTAGAATAAACTGAGTCCAATACCTCTACACAGTTATGTTTAACTGGGCTCTCTGACA
CCGGGAGGAAGGTGGCGGGGTTTAGGTGTTGCAAACTTCAATGGTTATGCGGGGATGTTCACAGAGCAAGC
TTTGGTATCTAGCTAGTCTAGCATTCATTAGCTAATGGTGTCCTTTGGTATTTATTAAAATCACCACAGCA
TAGGGGGACTTTATGTTTAGGTTTTGTCTAAGAGTTAGCTTATCTGCTTCTTGTGCTAACAGGGCTATTGC
TGCCAGGGCCCTTGGACATGGGGGCCAGCCTTTGGAAACCCCATCTAGTTGTTTTGAGAGATAGGCCACTG
GCCTTGGCCAGGGCCCTACAGTCTGGGTTAAAACTCCAACTGCCATTTTTTCTCTTTCTGACACATAGAGT
GTAAAGAGTTTTGTCAGGTCAGGTAGCCTCAGGGCTGGGGCCGACATGAGTTTTTCTTTTTAACTCATGAA
AAGCTCATTGCTGTTGGTTGTAATAGATGTAGTTTATCTAATCTACATTTTTATTGACTGTCATCTACCAA
AATATTGACTTAAATCCTGTAACTATTTGATTTCAAGCTTTAAATTGATCTGGTATTCCTTGCGGGGCTCC
AATTGCATCTAAATAGATGTGAGAGTTGAAAGACCTATAAGGGGCTTCTCTCGCTTTATGATGTCTTATTT
TTTTTTCCCTCTGGTTGATGAAATGCCAGGGTGAAAGGGATAGCCAAATGGACTAAAGCACAAGTGCCACT
CTAGTTATTCAGCAGAGTGCCCAGTAAAGGTCCACCACAATACCACCACACATCCACTCGGGGATGAACAA
GGGCTGACTGATTGATAAGCTCTTGAAAATTCTTAAGCTCACTGCATCCCTTCAGGTCTCCAAGGAATGCT
AAATCTCCTCCCTGCCATGAGAGACAAGAAGTGAACTTAGTGTTGGGAGACATAAGTTGGATGGCCCTCCG
GGGCTGACCCCCCAGGGACTTAGGATTTTGCAGAAAGAGCTTGGCATGACTTTTTCACTCCAGGCTGGAGA
ATCCCGGAAAAGAGCTACCATGCAGCCCACCCCTGTTCGACNNN
Table3 3737
CGGGCAGGTACAACTTAGAGTTCCTGAAGACACACAGTAACCCTGGGGCGGTGCTGTTACTGCCT
TTCGTTGCGTCCTGCATTAATCTGGCCGTGCCATGCATCTACTCCATGTTCAGGCTTGTGGAGAGGTACGA
GATGCCACGGCACGAAGTCTACGTTCTCCTGATCCGAAACATCTTTTTGAAAATATCAATCATTGGCATTC
TTTGTTACTATTGGCTCAACACCGTGGCCCTGTCTGGTGAAGAGTGTTGGGAAACCCTCATTGGCCAGGAC
ATCTACCGGCTCCTTCTGATGGATTTTGTGTTCTCTTTAGTCAATTCCTTCCTGGGGGAGTTTCTGAGGAG
AATCATTGGGATGCAACTGATCACAAGTCTTGGCCTTCAGGAGTTTGACATTGCCAGGAACGTTCTAGAAC
TGATCTATGCACAAACTCTGGTGTGGATTGGCATCTTCTTCTGCCCCCTGCTGCCCTTTATCCAAATGATT
ATGCTTTTCATCATGTTCTACTCCAAAAATATCAGCCTGATGATGAATTTCCAGCCTCCGAGCAAAGCCTG
GCGGGCCTCACAGATGATGACTTTCTTCATCTTCTTGCTCTTTTTCCCATCCTTCACCGGGGTCTTGTGCA
CCCTGGCCATCACCATCTGGAGATTGAAGCCTTCAGCTGACTGTGGCCCTTTTCGAGGTCTGCCTCTCTTC
ATTCACTCCATCTACAGCTGGATCGACACCCTAAGTACACGGCCTGGCTACCTGTGGGTTGTTTGGATCTA
TCGGAACCTCATTGGAAGTGTGCACTTCTTTTTCATCCTCACCCTCATTGTGCTAATCATCACCTATCTTT
ACTGGCAGATCACAGAGGGAAGGAAGATTATGATAAGGCTGCTCCATGAGCAGATCATTAATGAGGGCAAA
GATAAAATGTTCCTGATAGAAAAATTGATCAAGCTGCAGGATATGGAGAAGAAAGCAAACCCAGCTCACTT
GTACTGGAAAGGAGAGAGGTGGAGCAACAAGGCTTATTGCATTAGCGGGAACATGATGGCAGTCTTGACTT

Table 6
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GCGATCTAGACGATCAGTTCAAGAAGGTAATCCAAGGGCCTGATGACTCTTTCGGTAACCAGACATCAATC
AAATAGGGGACGAGATGACATGGCATGATTCTTCATGCACCTGTGCTTTAGAGCTGCAGAGANN
Table3 3740
NNNNNNGACTTCCAGGCAACTAGGCTCGTGCCCAATTTAATCCAAGTGATGCATGTCCTTAGCCT
TAAAGGTTGAATCCGTAAACCCTATTAAACTGGTACCTTAGAAGAGTTGTAGTATCAGCAATTAGTGAGCA
GTGATAAAGGCTCACTCTTGAATCGGTTTTCCAGACAATTCTTGGTAAGGTTCTTCTAGCTTTGTCCCAGT
TATATGGTATTTTACGTATTCTCCTTTTGGCAATTAATCACAGTTTTGTATGTCTTTTTCTTTCTTTTTTA
GGTGAAAATATTCTATGCCAACTGTTTTCCACAGTCCTGCATTATATATTAAAACAAAGGCTGCCAGCTGG
AGACACAGCCCTCCGATTACAAAGGCCCAGAATGTTACTTTTAACTGTGCTCCACCAGGAGGTCTGGCCTT
GGGAAAAGATGGCGAAAGGAATATTCTCAGATATGAACATTTTTTATTCTGCCTACAATGCTGTGATCTAG
TTCAACAACTGCAGAACTGTTCTCATCTTAATCGCTGTAGTTTTTCTTTCTTTACTCTTTTGTATAAAAGG
TTAGTGTCACAGCTTCACTATCACTAATAAAAAGATACAAATATGCCTTTCAAGTCAGGGTTGGAAAAGCA
AAACTGAGGTGTGAGGTTACACTGGTCTAAGAAAGTACCAATTTGGGTTCTATATTTTGTCAAACAGTTGG
GTTTTTAAAAAAATTCAAAACTCATGCATGTTACCTACTTGTCATGTGTGAATTATTTCTCACAATTTTAA
TTAATCTGTGTGTATATTAGTTATATAAAGCAATGGATTTCCACATTCTTAAAGCAGGAACCTATATTCAC
CAGAAAAGGATCCTCCTGTTTCTCATCAAATTTTTTTTCAGCTCGAACAATCCAAGATTGGGAATAGTAAG
AGTGGCAAACAAATGTTTTCTTAGGGACTTACTGAGAAAAGAAAAAACTTACTGGGAGAACAGAGACTTAG
TAAAATTTCTATTGCTACAGACAAATGCTAAAAACCAGCTTTATAATAACAGCATTATAAAGGATAGAACT
TAATATAGAACCAGAAATATGGCAAGTTACCTAGTGATTAACATTGTAAAATAGTCAAAAACTTTAAAGCC
ACAGAGAAAGGAAAACAATTATGAAATGGAAAATATATAATATTTAAGTACTTTTATAATTCTAAAACTTC
ACTTTTGTCCTTAAATCAATATATTACGGATTTCATTGTTCAATAAATTACCATCTTTAACTAAAAATAAG
TAAATCAAAGAGCATATTTGGAGAAACTAAGAGCTGTTAACTGTTTGGAGGGTAAAAGAATACTTTTCTCG
AAATTTTTTTGAAGAAAAATCTAAAAGCCCTCTATGTTGAGTTAATACACCTTCTGACCCCCATCATCAGT
GGCATTATTCTTCCAAGGGACTCTTATATCTAAGCAATGGTGAAGTTCTGGATTCATTATGGATCTCATGG
CACCAAACCAACTGGCACTGAAGTTAAGTTAATATACTCCAGCGAGATCACCTGTGGGTCAAGGATGGCCC
AGAGAATCTTGGAAAATCCATTTATATTGAGCAAAGATCTGAATCACCTTCAATCAGGCTGTAAGATACTA
GAAAATTTGACCTTGTAGTAGTATTTCCCAGGGTAACTTAAGCAGCAACCTTGCACCAGAAGAAGAATTAA
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ATGTATAATAATTTAGTAACGGGGTATATGGCAGAGCTTTCTTTGATGTTAACAAATTTTGGCTGTGATTC
TTAGTTACCAAGTTGCCAAAAAATGGTATATTAAATGAACTGCCAAATGGCAGATTAAGAAAATTAATGTA
CTCCAATGGTCTGTCCATGAAAGGAAAATGTACACAGACAAATTAAGAACATTTTACCAGGATCTGAGATT
TAAACAATGGAACAATTGTTTTAACTGTTAGAATGACCCCAACTGTTAAGTTTGTCTATGAGTGTATATGT
ATATATAAATTCATACACATATATTATTTATTTCCTTCTTAAAAAGACTGAGGCAGTTCTGCTATATATAG
TTAGCTACAATATTCAAGATAAAACAGTTCCTACTCAAAAAATTACATGAACACACGAGATAAGTTCTTAT
CGTAAATGCTATCATGAGGCTATCTAGTATAGCTCATATTTCCTGGTTGTAAGGCTCAAAACACAGGAATT
CCACTCCAAGAGATAATTTGCCCCTCAATCCCTACAAAGTGTAGTCTAAACAAACAAAATGGTAATAAAAA
ATTGAAAAGGAAGATATAAAAAGAACTCAATAGCAGGATTCTGACTACCTCTGGAGACCACACACTATCAT
TATTCTGACTGTCTTAAATACAACAATCCAATATGCCCCAAGATGGAAATCTGGTATCGTAGGGAAAACAT
TGGCTGCAACTGTCAGAAAAGTTCATAATCTTAAACATAATTTATGCCATTTGCCAGTCACAAAGACATTT
ACTGAACAGAATTTTTGAGCCATTTGTAAAATTAAAATGATTGATCAATTTGAATAGCAACCTTCATGATG
AAGAAATTAGGACTCTAGGTATGAAAAGCATGTTCCTTTTTTGTTAATAAGTTCAAAGGAGAGAAACATTC
TGATATATGCAGATAAAAATATGGCTAGGCTGGGCGCGGTGGCTCATGCCTGTAATCCCAGCACTTTGGGA
AGCCGAGGTGGACAGATCACGAGGTCAGGAGATCGAGACCATCCTGGCCAACACGGTGAAACCCCGTCTCT
ACTAAAAATACAAAAAATTAGCCGAGTGTGGTGGTGGGCGCCTGTAGTCCCAGCTACTTGGGAGGCTGAGG
CAGAAGCATGGCGTGAACCCGGGAGGCGGAGCTTGCAGTGAACCAAGATCGCACCACTGCACTCCAGGTTC
GGACGCGTGGGTCGA
Table3 3741
NNNNNCCGACGACGGATTCTGTGAGCTGGGGAAGACAGATACCCTTTTATTGGGGGCAGGGGGAG
GATGTAGCAAAGGACCAATTTTCCTGGAGATCCTATTACGTGAAGGGACTTATACTGGACACATCATGGAG
AAAATCAGAAAGAAGGCTGCTTAATAAGACCCACTCCTGGATGCGGCCACTCTCAATTCTCAGTGTCTTTG
GGAAGCAAGGTTCGCCATCCACTTGTCTAAACAGATGATGATAGCAGAGGTGCTGCACACCTTCTCCCTGT
GACTTGTGAATGCCTTTCGTGCTCCCAAATAAGGAACTCCTCTCACTGCTGTCTGCTCTGAGCTGTATTTC
ATTTTGATAGCCATTTGCAGGGGACACCTTTGAACTCCATGCAATGTAAAAGATGTGGTTGAGAAATTCTT
CAATGGAATTTCTTCCCCTTTTCCCCCACCCTCATTTTCCTCTGGGTGATTTACAGCTTGAACATTAGGTA
CTTAGAGACAGTATGTCTGACCTACCTTTAAAAATACACATTAAGACACACACAATTTGAAGAAAAAAGAA
GCCAAAAAAAAAAAAAAAAAAGTCGACGCGGCCGCGAATTTAGNN
Table3 3744
NNNNNNNNACAGAAGCTTCTGGGTAGGGGCTGGAGAAGGGTCGGGGAGATATTTCCGTTAGGACA
TCGCTGAAACACAGACTGGGATCAAACTGTGCTCATAGTCCTAAGGATCTCCAGCACCCTGCCGGTGGCAC
TACTGAAAGACGAGGTGCCAGGGTGGTTCCTGAAAGTGCCTGAGCCCCAACTTATCAGCACGGAGCTCATC
ATGCTGACAGAAGTCATGGAGGTTTGGCATGGCTTAGTGATCGCGGCGGGGTCCCTCTTCCTGCAGGCCTG
CTTCCTAACCGCCATCAACTACCTGCTTAGCAGGCACATGGCCCACAAGAGTGAACAGATACTGAAAGCGG
CCAGTCTCCAGGTTCCCAGGCCCAGACCTGGCCACCANNN

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Table3 3745

NAGTTTTAATTACTCCTTTTAATTTGCTCTTCTTCCCTATGTTTAGGCAGAAACGAGTCTTTTTT
TAACCATATTCATCACCTGGTGCCAGCAACAGAAGTGTTCCCTAAAAATTCCTAGAATAAACCAACACGTG
CTGACTAGATTCTCCATCTTCATAAACGGTGATACAAACTATGCACATCATAACTACCAGCTTCATGAGGT
CAAGACTAAATCAAAAATTCTCAAGGACTTTTCTAAAAATTTTTTTAGCATAAACTGTTTCCTCTAACTTA
AACTTCTCTTAAGTGAACCTGTCTTTCCACTGGGATGACTGTCTACATGCTCAGGAATCCTGAATTCATGA
CTATGTTCAACTCCCACGACCATTTTTAAATCATCAAAATGGCAGCAAATGTCATTACCTGGACCAAAAAG
CTGCAGGTTTTGTGGCAAATGGGAAATGTGTTATAGAATATGACTGGGAAAGAGGGATTTCTTAGTGCTGC
CCAGAATGCATTCAGCAAACTCTGAACATTACTACGTGCCACATATAGGATCATAGTGCATTTCAGGTCAC
CATCCAAGGTAAATTCCAAGCCTGGGCGCAGTGGCTCATGCCTGTAATCCCAGCACTTTGGGAGGCCAGGG
CAGGCGGATCACCTGAGGTCAGGAGTTCAAGACCAGCCTGGCCAACATGGCAAAACGATAGGTGTCTTGGG
AGACCAGGCAAAGAGAGCTGGATTAGGAGCCGTTAAGTATATATTTTTCTTCTTTT

Table3 3746

TCCGCCGCCCGACCCGAGCAGCCGGTTCCCTCCTCTCCAGGCCCCCTCCTCATTCCACCCCCGCC
GCCTGGCCCAGCGACCCGTCCCTTCGTCTCCCCGCGGAATGGGGCCGGCACTGCTCAGGGTCGCGCGCCCT
GGACCCAGCTCGCTCTCGGTCTCGCGCTGTCAGGACTGCCCGGCTCGCGCCGCCTCGCGCTCTGCCTCAGT
CAGTGGCGCCGAAGGCTCCGTTAAGCGGCGGCGGCGGTTCCTGTTTCCGTTTCTTCCTCTCCGTTCGGTCG
GGAGTAGCATCCTCCACTCAGCCACCCTTCCCACTCCCCCATCGTGGGGCAGCTGCGGCTGAGGGCTGTGG
CTTTGGCAGCTGCGACGGGGAGCGGCGGAGACCGCCTCTGCTCCCGCCTGGGGTTGCTGCTTTTGCTCAGA
GGACATCCATGACCCTAATGGTCTTTTTGTTCAAGATAAAGTGATTTTTTGCCTTTGTTGATTAACTGGAC
AAATTCAGCATGTAGAGCGCATGAAGTACAGGACAATAAAGCTTCCTACACATATCACCAGGAGGATCTCT
TTGAAAGATTCACTGCAGGACTACCAGAGAGAATAATTTGTCTGAAGCATCATGTGTTGAAACAACAGAAG
TCTATTCACCTGTGCACTAACTAGAAACAGAGTTACAATGTTTTCAATTCTTTGAGCTCCAGGACTCCAGG
GAAGTGAGTTGAAAATCTGAAAATGCGGCCATGGACTGGTTCCTGGCGTTGGATTATGCTCATTCTTTTTG
CCTGGGGGACCTTGCTGTTTTATATAGGTGGTCACTTGGTACGAGATAATGACCATCCTGATCACTCTAGC
CGAGAACTGTCCAAGATTCTGGCAAAGCTTGAACGCTTAAAACAGCAGAATGAAGACTTGAGGCGAATGGC
CGAATCTCTCCGGATACCAGAAGGCCCTATTGATCAGGGGCCAGCTATAGGAAGAGTACGCGTTTTAGAAG
AGCAGCTTGTTAAGGCCAAAGAACAGATTGAAAATTACAAGAAACAGACCAGAAATGGTCTGGGGAAGGAT
CATGAAATCCTGAGGAGGAGGATTGAAAATGGAGCTAAAGAGCTCTGGTTTTTCCTACAGAGTGAATTGAA
GAAATTAAAGAACTTAGAAGGAAATGAACTCCAAAGACATGCAGATGAATTTCTTTTGGATTTAGGACATC
ATGAAAGGTCTATAATGACGGATCTATACTACCTCAGTCAGACAGATGGAGCAGGTGATTGGCGGGAAAAA
GAGGCCAAAGATCTGACAGAACTGGTTCAGCGGAGAATAACATATCTTCAGAATCCCAAGGACTGCAGCAA
AGCCAAAAAGCTGGTGTGTAATATCAACAAAGGCTGTGGCTATGGCTGTCAGCTCCATCATGTGGTCTACT
GCTTCATGATTGCATATGGCACCCAGCGAACACTCATCTTGGAATCTCAGAATTGGCGCTATGCTACTGGT
GGATGGGAGACTGTATTTAGGCCTGTAAGTGAGACATGCACAGACAGATCTGGCATCTCCACTGGACACTG
GTCAGGTGAAGTGAAGGACAAAAATGTTCAAGTGGTCGAGCTTCCCATTGTAGACAGTCTTCATCCCCGTC
CTCCATATTTACCCTTGGCTGTACCAGAAGACCTCGCAGATCGACTTGTACGAGTGCATGGTGACCCTGCA
GTGTGGTGGGTGTCTCAGTTTGTCAAATACTTGATCCGCCCACAGCCTTGGCTAGAAAAAGAAATAGAAGA
AGCCACCAAGAAGCTTGGCTTCAAACATCCAGTTATTGGAGTCCATGTCAGACGCACAGACAAAGTGGGAA
CAGAAGCTGCCTTCCATCCCATTGAAGAGTACATGGTGCATGTTGAAGAACATTTTCAGCTTCTTGCACGC
AGAATGCAAGTGGACAAAAAAAGAGTGTATTTGGCCACAGATGACCCTTCTTTATTAAAGGAGGCAAAAAC
AAAGTACCCCAATTATGAATTTATTAGTGATAACTCTATTTCCTGGTCAGCTGGACTGCACAATCGATACA
CAGAAAATTCACTTCGTGGAGTGATCCTGGATATACATTTTCTCTCTCAGGCAGACTTCCTAGTGTGTACT
TTTTCATCCCAGGTCTGTCGAGTTGCTTATGAAATTATGCAAACACTACATCCTGATGCCTCTGCAAACTT
CCATTCTTTAGATGACATCTACTATTTTGGGGGCCAGAATGCCCACAATCAAATTGCCATTTATGCTCACC
AACCCCGAACTGCAGATGAAATTCCCATGGAACCTGGAGATATCATTGGTGTGGCTGGAAATCATTGGGAT
GGCTATTCTAAAGGTGTCAACAGGAAATTGGGAAGGACGGGCCTATATCCCTCCTACAAAGTTCGAGAGAA
GATAGAAACGGTCAAGTACCCCACATATCCTGAGGCTGAGAAATAAAGCTCAGATGGAAGAGATAAACGAC
CAAACTCAGTTCGACCAAACTCAGTTCAAACCATTTCAGCCAAACTGTAGATGAAGAGGGCTCTGATCTAA
CAAAATAAGGTTATATGAGTAGATACTCTCAGCACCAAGAGCAGCTGGGAACTGACATAGGCTTCAATTGG
TGGAATTCCTCTTTAACAAGGGCTGCAATGCCCTCATACCCATGCACAGTACAATAATGTACTCACATATA
ACATGCAAACAGGTTGTTTTCTACTTTGCCCCTTTCAGTATGTCCCCATAAGACAAACACTGCCATATTGT
GTAATTTAAGTGACACAGACATTTTGTGTGAGACTTAAAACATGGTGCCTATATCTGAGAGACCTGTGTGA
ACTATTGAGAAGATCGGAACAGCTCCTTACTCTGAGGAAGTTGATTCTTATTTGATGGTGGTATTGTGACC
ACTGAATTCACTCCAGTCAACAGATTCAGAATGAGAATGGACGTTTGGTTTTTTTTTGTTTTTGTTTTTGT
TTTTTCCTTTATAAGGTTGTCTGTTTTTTTTTTTTTAAATAATTGCATCAGTTCATTGACCTCATCATTAA
TAAGTGAAGAATACATCAGAAAATAAAATATTCACTCTCCATTAGAAAATTTTGTAAAACAATGCCATGAA
CAAATTCTTTAGTACTCAATGTTTCTGGACATTCTCTTTGATAACAAAAAATAAATTTTAAAAAGGAATTT
TGTAAAAGTTTCTAGAATTTTATATCATTGGATGATATGTTGATCAGCCTTATGTGGAAGAACTGTGATAA
AAAGAGGAGCNNNNNNNNNNNNNNNNNNNNN

Table3 3747

NNNNNNNNNNNNNNNNNCCGTACTTCATTGAGAACAGATTTATTTTTAGTGCATTTTTATAGCAC
CTTGCCTACTACAAATTTCTGGAATGTACTCAATATAAAGAGTGAAAAAGAAAATATAAGCAATTCAAATA
TATACTTTGACATAAATGTAGGACAGTTCTATGTCCCATTCAACGTCATGAAAGGTATAGTAGTTGGTGGG

Table 6
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TAAATAGAAACCCTGTTGTACTCTGTTGCTGACTAATTGTGGTTACCTTACTTATCAATAATATTAGAAGT
ATTATGCTCACATTTTTCACCTGTGGGTACAAGGAAGCCTGGTTGAAGTCTTTTCCTTGAGAGGCCTGGAT
TTGTTCACATATTCAGATTTCAACTGGCTTTATAACAGGTTTCCTTATGTGCCTCATATTGGCTCCAGGTT
CACTGGGTTTAAAAGGAGCCAAAGCACCATAAGGTTTTGGCAAAGGAAGAGTGGCATCTGCTTCTGGGATG
TAGGCATTCGGACGCTGCTCTGCAGTTGTGTAAACACCATTGGGCAGCTGGCGATTATCTGCTTCCAAGAA
CTCCTGAGACTTTTCAGCGATGGCCAAGGCGTGCATTTCTTCATCTCGAAGGACTTTCAACCATTCTTTCT
CAATTTCCTTATTGAGTGGCAGACCTTTTTCTATCCTGGAATTGCAAGTGAAGATGAAGTCTTCTTTCTCC
CTGACTTCCTTTTGGAGTTCAATGGTTAGGGCTTGTTTCATGGACAGCTCAGCAACAAGAGCCATCATTTT
CTCAGTTGCATTTTTGATCCTTCTTTGATAGCCATTCATCTTCTTGGCTAAGAGCAGTGTGTCCTGCTTGC
AGCCCTGAGTTTTGCTGCAGAGCCTGTCTGTGAGCCTGGAGACCTGCTCATAGATGAAATCCTTCTCCAGC
AGCTTCTCCTCCTTCTTGGCCAGTTGTAGTTCCAGCTTGTCTAATTTTTGGATCATTTCTTTTTCGGTCAG
ATCTTTCCCTGGAAGGAAGCGAGCTCTATTCTCACCATCAGGCTTTACGAACTGTTTCTCCAGGTCTTTAA
TTCTGTCTGTACACTGTGAAAACNNNN
Table3 3748
NNNNNNNNNNNCGGGGTACTTCTAGCATTTCGGTTCCGCCTCCGGGGGCTTACACAGTATGGCCG
GCGACATTAGCTAGCGCTCGCTCTACTCTCTCTAACGGGAAAGCAGCGGAATACAAGAGACTGAACTGTAT
CTGCCTCTATTTCCAAAAGACTCACGTTCAACTTTCGCTCACACAAAGCCGGGAAAATTTTATTAGTCCTT
TTTTTAAAAAAAGTTAATATAAAATTATAGCAAAAAAAAAAAGGAACCTGAACTTTAGTAACACAGCTGGA
ACAATCCGCAGCGGCGGCGGCAGCGGCGGGAGAAGAGGTTTAATTTAGTTGATTTTCTGTGGTTGTTGGTT
GTTCGCTAGTCTCACGGTGATGGAAGCTGCACATTTTTTCGAAGGGACCGAGAAGCTGCTGGAGGTTTGGT
TCTCCCGGCAGCAGCCCGACGCAAACCAAGGATCTGGGGATCTTCGCACTATCCCAAGATCTGAGTGGGAC
ATACTTTTGAAGGATGTGCAATGTTCAATCATAAGTGTGACAAAAACTGACAAGCAGGAAGCTTATGTACT
CAGTGAGAGTAGCATGTTTGTCTCCAAGAGACGTTTCATTTTGAAGACATGTGGTACCACCCTCTTGCTGA
AAGCACTGGTTCCCCTGTTGAAGCTTGCTAGGGATTACAGTGGGTTTGACTCAATTCAAAGCTTCTTTTAT
TCTCGTAAGAATTTCATGAAGCCTTCTCACCAAGGGTACCCACACCGGAATTTCCAGGAAGAAATAGAGTT
TCTTAATGCAATTTTCCCAAATGGAGCAGCATATTGTATGGGACGTATGAATTCTGACTGTTGGTACTTAT
ATACTCTGGATTTCCCAGAGAGTCGGGTAATCAGTCAGCCAGATCAAACCTTGGAAATTCTGATGAGTGAG
CTTGACCCAGCAGTTATGGACCAGTTCTACATGAAAGATGGTGTTACTGCAAAGGATGTCACTCGTGAGAG
TGGAATTCGTGACCTGATACCAGGTTCTGTCATTGATGCCACAATGTTCAATCCTTGTGGGTATTCGATGA
ATGGAATGAAATCGGATGGAACTTATTGGACTATTCACATCACTCCAGAACCAGAATTTTCTTATGTTAGC
TTTGAAACAAACTTAAGTCAGACCTCCTATGATGACCTGATCAGGAAAGTTGTAGAAGTCTTCAAGCCAGG
AAAATTTGTGACCACCTTGTTTGTTAATCAGAGTTCTAAATGTCGCACAGTGCTTGCTTCGCCCCAGAAGA
TTGAAGGTTTTAAGCGTCTTGATTGCCAGAGTGCTATGTTCAATGATTACAATTTTGTTTTTACCAGTTTT
GCTAAGAAGCAGCAACAACAGCAGAGTTGATTAAGAAAAATGAAGAAAAAACGCAAAAAGAGAACACATGT
AGAAGGTGGTGGATGCTTTCTAGATGTCGATGCTGGGGGCAGTGCTTTCCATAACCACCACTGTGTAGTTG
CAGAAAGCCCTAGATGTAATGATAGTGTAATCATTTTGAATTGTATGCATTATTATATCAAGGAGTTAGAT
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AGAAAAAACCTTTTACTATATGAAACTTTACAACACTTGTGAAAGCAACTCAATTTGGTTTATGCACAGTG
TAATATTTCTCCAAGTATCATCCAAAATTCCCCACAGACAAGGCTTTCGTCCTCATTAGGTGTTGGCCTCA
GCCTAACCCTCTAGGACTGTTCTATTAAATTGCTGCCAGAATTTTACATCCAGTTACCTCCACTTTCTAGA
ACATATTCTTTACTAATGTTATTGAAACCAATTTCTACTTCATACTGATGTTTTTGGAAACAGCAATTAAA
GTTTTTCTTCCATGAGTTGAGTCCTTAAGAAAATGATTCCAGTTACTCATTTTGCATATTTGCTATTTTAA
CATTATTGGACCCTGCATTTATAGTCCTTTGATTTCTTCCCTCTCCCTGGTGTCTCCCCCAAGACCCCAAA
TAAAGCAATACACTGTTAACACTGTGGGTTTATATACTAATTCTATACCCCAGATGGGGAATGGGGGAGAT
GGTCCCTGGGCTTAATATTCTTTAAAGGGCATGGGAATTTAGCCTCTCTTTTATTGTAATGTGCTCTTTTG
GAAAATAGTTGGTTAGCAGGGAAGACCCAGAGTTGTAGATTGAGATTAGGGTGTACTGGCTGAACTGTGGA
AAACATACAATTCTGTGTTCCTCAGTAAATGAGATTAGCGTCTAATGAGTAGCACCCCTTTACTAACTTAG
TAGTAGTATAAAATCATTTTTATTTAGTTAATTACCAGAGAGATTTAGCATAATTTTGTTCTGGATTCAGT
AAATCAAGTCAGCTTGGATCATTCACCTTAACTTTCCTTTAGCAGCCATTTCCACTAGTTTCCATTAAGT
AGTGTTCTATAAACTTTGATCCAAAGCAGAATCAATGTCTTTTCCATCTCGTGACTTAAAGTTCTGTGACT
GTGATGCATGTGAGTGTTCCGACTTCATCTGTTCCTCTTAACTACGGTGTTTCCCTTACCATGGCATTCAT
AGGATGAAATGAATGACTGCCCAGAATGAGAATTTGTCCAGATTATTCAGATAAACATCATAAAGCAGAAT
ACATTATAAATAAGTAGAATATGAATAAATAGAATAATAAAATTCCAAAATACTCAATGGGAAATGACTAG
TAATATAGGCTTTCAAGAGTTGGTACCTTTTAGCTATATTTGCAGATTCTCTGGGATTTTAAGGAACTGAG
AAAACAGCAAAGTTGACTAAATTTTATATTTCTTGTCCTCTAAATATTTTGATAATTTCTGGATTGATGCA
GTGATGTTTTTGTTCCTTCCGTATTTATAAATGAAACACCTTTTTTTAGTGTTTCTAAACCTAAAATCTAC
TTGGTTTGAAATCAAGTGGTTGGAACACTGTTTGACTTTTATTTGAAGCATGTTGTTGATTGAAAATTTCA
TTGAGGAAGTTTTCAATCAGTGTGATCAGTTTGATTCTGTAATGAGCACAGCACCTAATATTTTGAGGAGC
TCTGTTTTGAGGACCAATGCTTAAGGTGGACTTTGTTCGTAAACAATATCCCAATAGATTTGTTGACTTGA
GGTCTGGTTTGGTTTTGTTTTTGTTTTGTTTTGTTTTGTTTTGTTTCCAATAGAATTAAGAATTCTAATGT
TGAAAAACTGCACAAATTTTTATGGGACAAAGCCTAGAAAAGAGAAATGTAGTTTGAATCATAATCTAAAT
CATCGTATGATAGAAGAGGGAAAGTTTTGGTGCCATAATTTCTCCTTTCACTGGTGTTGGACTTAAATCAG
TTGAAATGTATTTCTGTACCACAATTTACGCTTCAATAAAAGTTTAATTGTCTAGTGACATTCAAAAAAAA

Table 6
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AAAAAAAAAAATCGACGGACCGGGGCCAATAGCACCCTTTGAAAGGCCAAAGAGCACAAAGAGAGGGGGAC
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Table3 3749
NNGTCAACTGGNAACCTCAGTAATTCAGACCCCACATCCCCGAGGTACATCACCCTGCTGAGGGA
CATCCAGGACAAGGTCACCACACTCTACAAAGGCAGTCAACTACATGACACATTCCGCTTCTGCCTGGTCA
CCAACTTGACGATGGACTCCGTGTTGGTCACTGTCAAGGCATTGTTCTCCTCCAATTTGGACCCCAGCCTG
GTGGAGCAAGTCTTTCTAGATAAGACCCTGAATGCCTCATTCCATTGGCTGGGCTCCACCTACCAGTTGGT
GGACATCCATGTGACAGAAATGGAGTCATCAGTTTATCAACCAACAAGCAGCTCCAGCACCCAGCACTTCT
ACCTGAATTTCACCATCACCAACCTACCATATTCCCAGGACAAAGCCCAGCCAGGCACCACCAATTACCAG
AGGAACAAAAGGAATATTGAGGATGCGCTCAACCAACTCTTCCGAAACAGCAGCATCAAGAGTTATTTTTC
TGACTGTCAAGTTTCAACATTCAGGTCTGTCCCCAACAGGCACCACACCGGGGTGGACTCCCTGTGTAACT
TCTCGCCACTGGCTCGGAGAGTAGACAGAGTTGCCATCTATGAGGAATTTCTGCGGATGACCCGGAATGGT
ACCTCGGCCGCCACCGCGTGGAGCTCCAATTCACCCTATAGTAGTCGT
Table3 3750
NCGTGTCACTTTTATGATCTTTATTGTTGGTAGCCATGTGCATAGCTAAAAATGGTTTTAGTGAG
TGGGTAACTAATGAGATAGAAAGGGAGAAAGGATATTGGGAGGAATCGTAGTCTTTGCTACAAGGTAATAC
CGTATAATTTTTTAAATGATAAAGTTGTATAAGTAAGGGTCAAAAGTCACTTGTAGCTAACTTTCATTAGT
TCCACCTTTTCCTTGCCTAGCACAGTTAGCATGGTCTTGGTATCTAGTGTAAATCTGATCTTATCCAAACA
TGAATTTGTTACTTTTTATATTACTTGGTTAACTGTTGATTTCAAGTCTCTTTTCAGACTTGTCTCCCAAG
TTCACATGAATAGGGCCAGGCTTTAAGTTCTTTTTAATGCGTTCATTATTACCAAGCAGTGCTTTTTAACA
CTAGTGTTCAGTAAGNNNNNNN
Table3 3752
NNNCGATCCACGCGTCCGGCAAACCCAACCCGTCGGGGCCGCCGCTCCGGACCCGCAGCCGCCGC
CGCCGCCTCCTCCCCCCGGATCGGGTGTACTGTCCCAACCCGAAAGTCCAGTTCTGCGGCCCGGCAGCGGC
GAGCGGGCGCGATGACACAGGAGTACGACAACAAACGGCCAGTGTTGGTTCTTCAGAATGAAGCACTTTAT
CCACAGCGGCGGTCCTACACTAGTGAGGATGAGGCCTGGAAATCCTTCCTGGAAAACCCTCTCACTGCAGC
GACCAAAGCGATGATGAGCATCAATGGAGATGAAGACAGCGCCGCTGCGCTGGGCCTGCTCTATGACTACT
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CCACATGGCTTCGCTGTGGGAATCCCCCCAGCAGTGTATCATCCTGAGCCCACTGAGCGGGTGGTGGTTTT
CGATCGGAATCTCAATACTGACCAGTTCAGCTCTGGTGCTCAAGCCCCAAATGCTCAAAGGCGAACTCCAG
ACTCGACCTTCTCAGAGACCTTCAAGGAAGGCGTTCAGGAGGTTTTCTTCCCCTCGGATCTCAGTCTGCGG
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GCTCACCCTGACGGAGATCTAAAGGCCTGCGGGCCACAGCTCCCCAGGAGTTCAGTGCAGGTGTTTCTAGA
TCTTACGGTTTGGCAACTGCAGGTAACCCCAGTCAGCCATGTCGCCAGCACAGGTCTATGTCGAGGGAATG
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GCTTTAAGGATTTCGTGCCCTTGCCTGAATTCAGTACAACTCCACTGCCTCACGTTAGCGGGAGCGCACCT
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AGAATACTGTGCTTAGTGGACCGCTAAAACCTTTTCTCTGTTTCCAACACCGGCTTCTGTGCTAGAAAAAC
TTTCAATGACGAGATCCGTTGCTGTGGGAATGTGTCTTGGTTCTGCCTGTGTACCATGAGGTGAGAAAACT

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TTGGGCCGCTTGGTGCCTTCACGAATCCTAAGGAGAACATTTTCCCGATGGTTGGTCCGTAAACACAGGGC
CCGTTGGAAATTATACCCCCCGNNNN
Table3 3753
NAGATACCCAAGGAAAGAACAGGAAAGAGGTGTATTTTTAATCCTGCCTTTTGTATTTAGTGTGC
CCCATGACTAGCTGTTCATCTAACATGCTTCTTGGTTCTCGGCAGGTGAATGGCTATGTGGTGAACCTTTT
CTGGGCATTTGACACCCACAAGCAAGAGAGGAGAACTTTGAACTTCCGAGGAAGCATATTGTCACACAAAG
TTGGCAATCTGACAGCTCATACATCCTATGAGATTTCTGCCTGGGCCAAGACTGACTTGGGGGATAGCCCT
CTGGCATTTGAGCATGTTATGACCAGAGGGATTCGCCCACCTGCACCTAGCCTCAAGGCCAAAGCCATCAA
CCAGACTGCAGTGGAATGT
Table3 3754
CCCTTTTTTCCCCCGGGGGGGGATTTTCCCCCCCCTTAAAAGGGAAAAAAAAGGGGGGGCCGGGC
CCCCCCCCCGGGGGGGGGGGGTTAAAAAAAGGTTTTAATTTAATTTCCCCCGCCCCCGGGGGGCCCCCTTT
TTTTAAGGGCCGGGGGGGCCCTTTTTTTTTTTTTTTTTTTTTTGTCTTCCTTTTCTTCAGCCTCATCAT
CGCTTACTTCTTTATCACGTTCCTTCTCCACCTTCAAAAGAAAACACGAAATCACATCACTGCTGCACTCC
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CACCCAGCTTTTCATCAATATTTGATACATCCACTTAATAGCCCGAGGAACTTTTACAGAGTTAGGTAGTA
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GTGTAGGATAACTTTTGTTCCACGACCCATAGGTTCACCTGCAAGAGAAGAAAGAAAAATTGACTTAATAA
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AGTCATGCCATTACACTAATTAAGTGCTCTAGCTTGTTCCTGATCGTTGGGCAAACACAAATTCTGTAGGC
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TCAGGTGCCTACCTGTGTCTGTCCTCACTGTGAATGATCCCCCTGCTGAGGACTCCCAAGCGTACCTCGGC
CGCTCTAGAACNN
Table3 3758
GACGGAGTCTCGCTCCTTCGCCCAGCCTGGAGTGCAGTGGCGTGATCTCGGCTCACTGCAAGCTC
CGCCTCCCGGGTTCGTGCCATTCTCCTGCCTCAACCTTCCCGAGTAGCTGGGACCACAGGCGCCCCCCACC
GCGCCTAGCCAATATTTTGTATTTTTAGTAGAGAGAGATGAGTGTATATAATGCCGTAGGAATAGGTAAAA
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TTTTTTTTTTTTAAAAAAGAGAGTATTTCAAAGTGGAAATAAATAGGTTGAAACTGTTGAGAGGTCTAATT
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CTTAATTGAGAGTGTATATAAACTTCTAGGTAAAGGTGGCAAATTGAGCTCATGCATCTAATTTTGCTTGT
TCCTGATGCCTCTCTTATACGATAAACAGATTTTTTTAATGGAGTCTCGCTCTGTCACCCAGGCTGGAGTG
CACCATCTCAGCTCACTGCAGCCTCCGCCTCCTGGGTTCAAGTGATTA
Table3 3760
NNNNNNNNATAGGAAGACTTGAAAAGGGTTGTAGGTCAGAGGAAAAAAAAATCAGAAGGGAGAAA
GGATTTAATAATCTTTATTGGCAGGAGGTTCATATTTCTAACTTAAATCTATAGCCCAAATCATTTCCTCT
TGCTTTGTTTTTAAAGATCAAGAACTTCAATTTCCCATCCTTTACATGGTGAAGGCCTTCATATATTTGGG
GTATGTTATTAAATCACACCTCAGCCTTCAGTTCTGGCCGAAAATACCAATCAATCAGTCTTTTTTTGTGA
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TTACTTAGAAAAATCCACAAGATGATCCAACCTTTATTAANNNN
Table3 3762
NATGTGCCCCATTTTCTTCATTCATTCATTTGTTGGTGGACATTTAGGTTGATTCCATAATATTG
CTGCTGTGAATAACACTGCAATGGCCATGGCCGTACACTTGGAAGAGGGCCAAGTGGGCAACTTGAGAGGT
TAAACTGCATGGTTTGAGTTTTGATTTGAGGTTTTACGTGTTGGCATGCATTCAGGGGCTTGTGTCCCTTC
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GTGTTTCTAGAGGAAGGTCATAGACTAATAGTCTAATAGTCTATGACCTTTAGTCATACTAGTGCACATGC
CTGAGCCCACTCACCTGTGAACCCCCAAAATTTGAGACAGGTCTCAATTAATTTAGAAAGTTTATTTTGCC
AAGGTTGAAGACATGCCCAGTGACATAGCCTCAAGAAGTCCTGATGACATGTGCCCAAGGTGGTCCGGCCA
CAGCTTGGTTTTATACATTTTAGGGAGACATGAGACATCAATCACTATGTAAGAAGTA
Table3 3765
ACAGATACATAGCTGATTAGGCAGATGGTTTAAAGGAGGACTGCAGGGTAGAGAAGCAAGCACAG
TGGGCGCCTCTTTAGGAAGTGACACTTACAGCCTGCATGTGCAGTATGGCTGTGAAGGGGCAGATATCATA
GCACACCTAACTCAACAGGATCTTACTTGAACTGCTGTGAGTTGGTCAAGTCAGGGCACTTCTGCTCTTCA
GGCTCCTCTAGGTCACACCTTTGACCACCCTACATCTGTTTCCTCTTTCAGGCTCCAGTAGTAGTCTTAAA
AGTGAAGTTTATCTAAGGATAAGCACATGCCTATCTTGCTCACTGCTGTGTCCCCACTTTTTAGCACAGCG
CCTGCTGCTTGACAGGTACTCAAATATCTGCTGGACTTTAATTACTTATTAATTAAGGCTCTTATTTTCCA
GTCATGGGACAAATCCTTGGGGTTTGACTCCTAAAACTCTTTTAAGGGTACCCAATGGGGAACGTGGGTTT
GTTAACTGTCCAGAGGGTTGTGNNNNN
Table3 3767
ctccACCGCGGTGGCGGCCGAGGTACTGAGGCTGTATACAGCCACAGCCTCTCCCCATCCCTCCA

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GCCTTATCTGTCATCACCATCAACCCCTCCCATGCACCTAAACAAAATCTAACTTGTAATTCCTTGAACAT
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GTTTATGGGGCACGTTTGTAAGCCTGGGATGTGAAGCAAAGGCAGGGAACCTCATAGTATCTTATATAATA
TACTTCATTTCTCTATCTCTATCACAATATCCAACAAGCTTTTCACAGAATTCATGCAGTGCAAATCCCCA
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AACTTTGAGATGTGTTTGTCCTTGTAGTTAATTGAAAGAAATAGGGCACTCTTGTGAGCCACTTTAGGGTT
CACTCCTGGCAATAAAGAATTTACAAAGAGCTACTCAGGACCAGTTGnnnnnnnnnnnnnnnnnnnnnnnn
nnnnnnnnnnnnnnCACATGTTTAAAAAATGTTTTTATGGGCTTCCTAGGTTATTTACAAAGCTGcttATC
TTTCAGGACAATAAAATCATAAGCGATGGAATTATCCTCTCTACCAGAGAGAAATCATTTGCATTCCTACT
GGAATGAAATCTACCACGTAACATGTAATTTTAGAGAGTCAGGACCTTAGTTAATGGTAAACAGTGAGTCA
TACAGAGCTGCACTCCTTTAAACCACCACCATCAAATGGAAGTATAATTTAAGCCACTATGTGATTTGAAA
TtctctagCAGGT

Table3 3769

NGTGGAAGGGAAGGAAGTCCCCAGAGTCATCTACTTGGCCCAGAGGTGAACGCCAATACTTAGAT
CTGGATGGCAGAGCCCAGGGTCCTGTAAACACCAAATCACAATCTGAGGTGGAACTTGGTGCTCCAGGCTT
CCCACCTCAGCTCCTGAGCTCTTTCATCAAACGGCAGCCACTGGTTATAGCCAGACTGGCTTCCTTCCTTG
GTAGGTAGCATCTCACCGTCAAGATGGTGCTGCTGAGATGCAGGCCCAGGCTGCTCAAGAGAGACACTGTG
GCAGCTCCTTGTTACTTTCCATACCACAGTGCAGGAAAAGCTGATGCTACCTGCTGTGGCCGATTGGGGCA
GACAGCACTGGCCCAGGGATGCTAGCAAAGCCCAGTCAGTACTTGGTCACAGCTGGCACCAGTGCAGAGCA
AACGGCCTGAGCTCCTGGCCCAGACTATCCAGAGTGAATGCAGCTCCGCTCACCTTTTGGATTTCTCACCT
TTCTTTCCTGTTTCTGGGACTCTGCGGCAGACAGGACACTTAAGGACCAGGACTGGGCACAGCCAGCAGAG
CCGGGGACTGCAGTGCTTTGGCAAGGTGCTTCCGCAGGCTGGTAGGGAAGCAGGCAGCCACTGGCCAAGAC
TCTGCTCTGAATCTACCTCCTCTAGCATTCAGCTCTACTGTGTGATGGGACGTTAAAAATACCAAAACAGA
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CAAAATACTTTATTATTGATTTTTGCTTTTTTTCTCCCTTTCCCTCCCAGGAGAAGACATTTGGGTCTTGG
CCTGAGGCAGGGGTGTTGAGCGATGATGCTCTGATATGGAGCTGTCACTCTAGAGCTCGGTCAGATGGAAG
ACACTATAGAACCAGGTTGGACAGATTTGGGGTCAGGGTTGGAGGCTGAGTTCTTTTGAGGACTGGTTGGA
GTGGCAGCCAGATGGTGGCTGCTGACAAGGCAAGAGGAATTTCAGAGATTAAACATTGTCCTTTGAGGAAG
GGAGAGGAGGTGAATGAACTCCCAGAGGAGGTGAGTGGCTTGTTGGGAGGAAGCTCAGTTCCAGAACTTAC
CTCAGTGCACTTGGGAGGGGTGGAGTCCTGAGCATTCCATGATTTCTGCCCTGGCCCCACCTATCCTAGGA
TGGGGTGGGATGGAGAGTGGGTTCAGTTTTCTTGTACTTTAGCCTGGCTGAACATGAACTTTGTGTTTACC
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TGCAGGGCATTTTTCCCTCTTACCTCAGATTAAGTTATTTATATATTGTTGATTGAAGGTTTTTTAAAATT
GCTTTTAAACTTCTATTTCTCGGGTAAATTTTTTGGTGACATGATATATTTAACACCCTATTTATATACTC
CTACCTCTTTTCATATAAATCTCTTACTAAGACTACTGACCAAAAAAGAACATTTTAAAATTAAAAGTCCT
CTGGGTACNNNNNNNNNNNNN

Table3 3770

NNNNNNNNNNNNNNNNNAAATTTAATTTCCTCAGCAAGGCCATTTTTTAACTTTCTGCAGAAAGG
GTACACTCGCCAGCGGTTTTGCCACAAGAGTATACGGAACAAAGGAGACAGGCTCATTTATAATCTGACGC
GGCCACCCTCCTGCTGCGTTCGGTTTCCATTGGCTGGGACGGGACCTCACCTTCTGTATTTGTCCCGACTG
GCTAGCACTTAGAACTTTTTAAAAGAGGCAAAGGCATAGGAGAACAAAGGAAGGAGGAAGTAACTTGTGGA
ATATTGAGAAAGGTAAAAACACCTTTAAATAAGGAAGAGGAACAGGCTATGACCTAATGCTTGTTTGGATC
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CTATTGGGCCCTAATTATATGGGGAGTAAAGTCTTTGAAGAGGAACCTCTATTTACTTTTTACAATTCCCC
CTTTTTATTTTATAATTCCTCTTCAAACTTCTTTAATATGTTTTGACTTAATTGCTTTGTTTGCCCTTCTA
AGAGAAGTAATTTTTTCCAAATGGGGTGGAGGAAAAGTTAGAGTTAACTCTTTAAGAATGGTAGAGACAAG
T

Table3 3771

NNATGGTTTGCTTTGAAGGCCAAAAGGAACTGGTTTCTAATTCTTATTCCTCTCCTGACTAGTTT
TGTGACCTAGGGAAATTTTGCAATCTTCCTGAGTTTCGTTTCTCATCAGGAACAGGATGCTACCTAAGTCA
CAGGATAGTTGCCAGATTTAAATATGATCGCATGGCGGTGGACATGAGCCGTAATTAGTGGCTAAGAATAT
ATTGACACTGAGCTCTCCTTTATCCATGTTAAAATTGTAGATAAACAACAATTGACAAAGAATAGACAAAA
TGTTCTAACATAAATATTCTTCCCTTGTTTCTAGAAAGAAGTCACACATACAGTAAAAATAATTAGAGAGG
ACCTAGTTCATATTGAGCAATCTTCCCCAAACCCTGAAACAGGTCTTCTTTCTAACACCAGAGGTATCTTG
AGTGAGTCCAACCCCTGCAGTCCCCTCTGTCTGGAATAGATGGAGGAAGTTTGCTCCAGCCTTAGAACAGC
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GAAACATCGGTAATGGACAGGAGGCATCAATAAACAATGTCCACCCTCCTCTAAAACCCAGGAAAGTTCTC
ATTCAAAAGACGATGTCTTGAAGGAAACCTAGGTACCAAATCTTTGTGATCTTTGGATTAAACATTTTTTA

Table 6
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AGTAGCACAAACAACCCAAAAAAAAGAAAAAATGACTTCATTAAAATTAAAAACTTATTTGCTTCAAAGGG
ACACTGGTCAAGGAGNNNN
Table3 3772
NNCCGAGGTACGTTCCTGGAGACTGGGTGTGTCTGTAGACTAATCCTTATTCTCCAATTATTGAG
TATAATATCTCTTGTTTAACATGAGGAAAGGGTCAAATTTGAGGAAAAATGGCCTCTTGTTTGATGTGTTT
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AGTTTTGCCCCAGGCCATTTGCAGTGTGGTTACTATGCAAAAAAAGCTGGGGTTGCTGTTTTTTTTTTTTC
TTTGTTGGCTATTAACCCAGCGGAGACAATATGTGGCTATGGTAGT
Table3 3773
CACAGTGGTGCGATCTCAGCTCACTGCAAGCTCCGCCTCCTGGGTTCACGCCATTCTCCTGCCTC
AGCCTCCCGAGTAGCTGGGACTACAGGCATCTGCCACCACGCCTGGCTAATTTTTTTTGTATTTTTAGTAG
AGACGGGATTTCACTGTATTAGCCAGGATGGTCTCAATCTCCTGACCTCATGATCCACCTGCCTTGGCCTC
CCAAAGTGCTGGGATTACAGGCATGAGCCACTGCGCCCAGCCGAGTCATTTTTTAATACTACTGCATGTGA
GTTAACACAATCATTCCCAAATTGAAGTTTTAGATGGGCCCTCAAAATTTTTAGGATATGGTTTTCCTACA
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CTAGATGGATACAACCAGGTGCATGTCCGAGGCACAGAGGAGGGTATTTATAACCCATAGTAACATTAAAT
GCAGTGCCTTCTTCTCCTGGTTGAGCAGGGCAATGGTCATCTATAGCTCCAGGCATCTACNANACTATCGT
TAGTGTAGATTTCCGCAGGAGCATTCATCCAGGTGAN
Table3 3774
NGCGGCCGCGGTGGTCCGGGCCGCCGTGTCTGCTTCCATAGCCAAATCTGCCGAGGCTGGAATTG
CCGGGGAGGCCCAAAGCAAGAAGCCAGTGTCCAGGCCGGCCACCGCTGCCGCTGCCGCTGCCGGCTCCAGG
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AGTCAGGAATTTGAAGAGCAGCAACCTAAAAGTAGGCCTAAATTTCAGTCTCCTCAAATACAAGCCACTAT
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AAAGTTGCAAAGCACACCTAAGTATCAGAAACTTCTAAAGGAAAGACAACAGCTACCTGTATTTAAACATC
GGGACTCAATTGTTGAAACTCTTAAAAGGCATCGGGTAGTGGTTGTGGCAGGTGAAACAGGGAGTGGTAAA
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AAACGTTCTGATCTACACTTGATTCTAATGAGTGCCACTGTGGACAGCGAAAAATTTTCTACATATTTCAC
ACACTGCCCCATTCTCAGAATTTCAGGAAGAAGTTATCCTGTTGAGGTTTTTCATCTTGAAGATATAATAG
AAGAAACAGGCTTTGT
Table3 3775
NNNNNNNNNNNNNNNNNNNNNNNNNNANNNNNNNNNNNNNNNNNNNNNNNNNNNNANNNGNNNNNN
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNATCGACNCCCTTGGAATTGGGCAGCCGCCCGGGT
TCGGCTACAAAAGAGGACGGCTGCGGCGCGCCGGGCGGAACTTTCCGGAACGCTCGGTGAGAGGCGGAGGA
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CCGGCAGTAGAAGATGGTGAAAGAAACAACTTACTACGATGTTTTGGGGGTCAAACCCAATGCTACTCAGG
AAGAATTGAAAAAGGCTTATAGGAAACTGGCTTTGAAGTACCATCCTGATAAGAACCCAAATGAAGGAGAG
AAGTTTAAACAGATTTCTCAAGCTTACGAAGTTCTCTCTGATGCAAAGAAAAGGGAATTATATGACAAAGG
AGGAGAACAGGCAATTAAAGAGGGTGGAGCAGGTGGCGGTTTTGGCTCCCCCATGGACATCTTTGATATGT
TTTTTGGAGGAGGAGGAAGGATGCAGAGAGAAAGGAGAGGTAAAAATGTTGTACATCAGCTCTCAGTAACC
CTAGAAGACTTATATAATGGTGCAACAAGAAAACTGGCTCTGCAAAAGAATGTGATTTGTGACAAATGTGA
AGGTAGAGGAGGTAAGAAAGGAGCAGTAGAGTGCTGTCCCAATTGCCGAGGTACTGGAATGCAAATAAGAA

Table 6
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TTCATCAGATAGGACCTGGAATGGTTCAGCAAATTCAGTCTGTGTGCATGGAGTGCCAGGGCCATGGGGAG
CGGATCAGTCCTAAAGATAGATGTAAAAGCTGCAACGGAAGGAAGATAGTTCGAGAGAAGAAAATTTTAGA
AGTTCATATTGACAAAGGCATGAAAGATGGCCAGAAGATAACATTCCATGGTGAAGGAGACCAAGAACCAG
GACTGGAGCCAGGCGATATTATCATTGTGTTAGATCAGAAGGACCATGCTGTTTTTACTCGACGAGGAGAA
GACCTTTTCATGTGTATGGACATACAGCTCGTTGAAGCACTGTGTGGCTTCCAGAAGCCAATATCTACTCT
TGACAACCGAACCATCGTCATCACCTCTCATCCAGGTCAGATTGTCAAGCATGGAGATATCAAGTGTGTAC
TAAATGAAGGCATGCCAATTTATCGTAGACCATATGAAAAGGGTCGCCTAATCATCGAATTTAAGGTAAAC
TTTCCTGAGAATGGCTTTCTCTCTCCTGATAAACTGTCTTTGCTGGAAAAACTCCTACCCGAGAGGAAGGA
AGTGGAAGAGACTGATGAGATGGACCAAGTAGAACTGGTGGACTTTGATCCAAATCAGGAAAGACGGCGCC
ACTACAATGGAGAAGCATATGAGGATGATGAACATCATCCCAGAGGTGGTGTTCAGTGTCAGACCTCTTAA
TGGGCCAGTGAATAACACTCACTGCTGGCATTTAATGTGCAGTAGTGAATGAGTGAAGGACTGTAATCATA
ATATGCTCACTACTTGCTCTTGTTTTTGTTTTAATAAACTATAGTAGTGTTTTAAAAAGTTAAATGAAGAA
TAAACGCAAATATAAAAGCTCTGATTTTGCCCTGTATGTATGATGACTTCAGTGTGCAAGATGAAGTTTAA
TACCTGTAAAAACTACAAAGAAGTTCCCCTAGCATTTCTAGGCCAAACCTTGTAATTGACTTCAGCTATGT
ACGTGGACAAGCTTAGACTGAAATGCTAGGTATATGTATTGGCTTCAGTGTATGACCCTTCATTGTTAAGC
TATGAAAGTAAAACTCTGTATTTAACTGGCAATGAGGAAAAAAAAATTTTGTAGAGAAGTGTTGGTCTGTA
TAGTTCTTTATATTAAGTGGGATTCATTGTAATGCCTCTGCATTTATTCTGTTGCCTCAGCTGTTACTTGA
AGATGGCGTAATATATAATTTATCCTGTGGTATCAGTGATAAAAATGATACCTTTCTGTAGGAGGGGTTTA
TCATAATATGCTGCTTCTTGAAGGCTTGCACTTCCAGAATTGTGTTTCCTTCTGCTGTGCCATTCATATAT
ATATACATATATATATATAATCTTGACCAGTCCTGGTCATTTGCTCCCCTCCTTGTCTGTGGACCATGATA
AGCCCAAGTAGTGACTTCAGAGCTGGGTAACAGAAATTAAAGTGAAAAGACCTTTACGTGGAGAATTTGCA
TGCGTAATATAGGAAGGTGTTCTTTAGGTATGTTACAGGATTACTTTAAACCATTTGACTTTCGCTCCAAA
GTTATGTTGGTAGTATAGCAAATTATGATGAATAGCTTTAATTGTATGTTTAAAAGTCTCATATGTTCACA
TGCTTAAATCTGGGTATCAGAATTTAAGCAATTCTTGAAATGTATTGTCTCCTTAATATACTAATTACAAA
GCATCTCCAAAAAAAAAAACATCGACCGAGGTGGAATGGATTCTAGGAAACATCTTAAAGCTGTGTNGTGC
CTGTGGTGGTTNTTTGTTTGGGGGTGNNNNNN

Table3 3776

ACCGGGTTAAAAAGTATTGTTAACTCTCTTTTCCGGCTGGAACCATGGAGGGTGTTGAAGAGAAG
AAGAAGGTTCCTGCTGTGCCagaAACCCTTAAGAAAAAGTGAAGGAATTTCACagaGCTGAAgATCAAGCG
CCTGAGAAATAagtttgCccAaaaGaTgcttctaaaGGCagggAggaagcTTATCTATGAAAAagcaaagC
ACTATCACAAGGAATATATGCaGATgtACAGAACTGAAATTCAAATATCGAGGATGGCAAGAAAAGCTGGC
AACTTCTATGTATCTGCAGAACCCAAATTGGCGTTTGTCATCAGGATCGGAGGTTATCAATTGGGTGAGCC
CAAAGGTCTGAAAGGTGTTGCAACTTCTTTGCCTTCATCAAATCTTCAATAGAAACTTTGTGAAGCTCAGC
AGGGCTTCAATAATGTGCTGAGGTTTGTAGAACCATATATTGCATGGGCATACCCAAATCTGAAGTCAGTA
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GATTGCTCGATCTCTTGGTAAATATGGCCTCATCTGCATGGAGGATCTGATTCATGAGATCTATACTGTTG
GAAAATGCTTAAAGAAGCAAATAACTTCCTGTGGCCCTTCAAATTATCCTCTCGACAAGTTAGAATGAAGA
AAAAGACCACCAATTTTGTAGAAGGTGGAGATGCTGACAACAGGGAAGACCAGATCAACAGGCTTATTAGA
AGAATAAACATGCCTACCACAATTATTTTTTGTAATCTAGCCAGTTAATAAACAGTACCTGCCCGGGCGGC
CGCCCGGGCAGGTACGCGGGACATGAGAATAatnaacgGAGTTGATCAAGAAATTATCTTTCCTCCAATAA
AGACAGATGTCATCACAATGGATCCCAAAGACAATTGTTCAAAAGATgcaaatgaTACACTaaagctgCAG
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Table3 3778

ACCTCATCAATATGTGCATTTATTATTTGCCAATTAAAATAATATAAAACTCTTTAAAAATTAAA
AACCATATATTTCCCTAGTATTTCTGGGATGATTTTTTTTTCTCAATGACTTTTGAGAATGCTTTTGCTTT
GTTCTCAAACCTTTGATAATCTCCATCATTACTGGTTGGGTATCCCTTATCTGAAATGCATGGGACCAGAA
GTGTTTCAGATCTCAGATTATTTCATATTTGAAAATATTTCCATACAGATAATGAAATATCTTAATAATGG
AAACCAAGTATAAACAGGAATTCATTTATGTTTCATACACACCTTATGCATGTAGCCTGAAGGTAATTTTA
TTAT

Table3 3779

NAGCATAATGTATCTAGATGCATAAATACAGCCTCAAAGGCACCCTTTTAATAAGGAACATATTT
AAAATGCAGTTGTTCTTAACAAGGAAATCCTATCCTGCACAATCCTTCACCAAACAAAACCCCACATACCT
GAATAAAACTGAATTCTCTCCAGTTTAAAGCATTGCTCACTGAAGGGATAGAAGTGACTGCCAGGAGGGAA
AGTAAGCCAAGGCTCATTATGCCAAAGGAGATATACATTTCAATTCTCCAAACTTCTTCCTCATTCCAAGA
GTTTTCAATATTTGCATGAACCTAACAAGAAAGCGAATGTGAATTTCCTTTATTTAGTAGAACATTAACTG
ATTCAGCACAGAGTTCACTCTTGGCATAAGAAGAACCTGGTCATATATGGACGTATTTAAGTTGT

Table3 3780

NCATGGTACGCGGGGTAACCACCTGGGAAAACTTCACAGAAAATGAGAGTTTCAGATACTGAGAA
TAGAACCACTAAGAAGCAGAAAAGAGAAGATATTCTCGTGGGGGAGAACAACGGCTGGGAGGGGAGGAAGC
ATGGCCAAGGCAAAGAGGTGGGCATTAATAAGAACTGCTTCTTGCTGCCGCCATATGAAGAAGGACGTGTT
CGCTTCCCCTTCCTCCATGATTGTAAGTTTCCTGAGACCTCGCCAGCCATGCTGAACTGAATACAACATGT
TTAAGACCACAGAACATCTGCATAGGCTGTAAATTTCGTTGAATGATGGATGCAAAGATGGAAGACAGATG
GATAGAGGAAAAGACAGAATCAGATACTGGATGAGTTAGTACCTGCCCGGGCGGCCGCT

Table 6
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Table3 3783

NAGACAGTAAGGAGCCAGGGGAACAGAGAGAATTGTGGGGCAGCACCGCTCCTTGGGTCCCCACT
CCCCATTTCTCATTGCTTGGAAATCCATGCCAAGATGCCTGCCTTCCTTGGTCTAAAGTGTCTGGGGAAAT
TGTGCAGCTCTGAGAAAAGCAAAGTCACCTCATCTGAGAGAACCAGTGCCAGGGGCTCGAACAGAAAGAGA
CTGATTGTTGAGGACCGGAGGGTCTCTGGGACCTCCTTCACCGCTCATAGGCGTGCCACTATCACTCATTT
GCTGTATCTCTGTCCCAAGGACTACTGCCCACGTGGGCGTGTATGTAACAGCGTTGATCCTTTTGTGGCCC
ACCCTCAGGACCCTCACCACCCATCAGAGAAGCCTGTCATTCACTGCCATAAATGTGGGGAGCCTTGCAAG
GGTGAAGTGCTTCGGGTCCAGACCAAACATTTCCACATCAAGTGTTTCACCTGCAAAGTGTGTGGCTGTGA
CCTGGCACAAGGGGGCTTCTTCATAAAGAACGGAGAGTATCTCTGCACCCTGGACTACCAGCGGATGTACG
GGACACGCTGCCATGGCTGTGGGGAGTTCGTGGAGGGCGAAGTGGTGACTGCTCTGGGCAAGACCTACCAT
CCCAATTGCTTTGCTTGTACTATCTGCAAGCGCCCGTTTCCACCCGGAGACCGAGTCACATTCAATGGGAG
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GTGCCGGCTGCGGAAGAGATATCAAGAACGGGCAGGCGCTGCTGGCGCTGGATAAGCAGTGGCACTTGGGG
TGCTTTAAATGCAAGTCCTGCGGGAAGGTCCTCACCGGGGAGTACATCAGCAAGGATGGTGCTCCGTACTG
TGAAAAGGACTACCAGGGACTCTTTGGGGTGAAATGTGAGGCGTGTCACCAGTTTATCACAGGGAAAGTCC
TGGAGGCAGGTGACAAACATTACCACCCCAGCTGTGCACGATGCAGCAGATGCAACCAGATGTTCACAGAA
GGAGAGGAAATGTATCTTCAAGGCTCCACCGTTTGGCATCCCGACTGTAAGCAATCTACGAAGACCGAGGA
AAAGCTGCGGCCTACCAGGACATCCTCGGAAAGTATTTATTCTAGGCCAGGCTCCAGTATTCCTGGCTCAC
CAGGTCATACTATCTATGCAAAAGTAGACAATGAGATCCTGGATTACAAGGATTTAGCAGCCATTCCGAAG
GTCAAGGCAATTTATGACATTGAACGTCCAGATCTTATTACCTATGAGCCTTTCTACACTTCGGGCTATGA
TGACAAACAGGAGAGACAGAGCCTTGGAGAGTCTCCGAGGACTTTGTCTCCTACTCCATCAGCAGAAGGGT
ACCAGGATGTTCGGGATCGGATCCATCGGTCCACGAGCCAGGGCTCCATCAACTCCCCTGTGTACAGC
CGCCACAGCTACACTCCAACCACGTCCCGCTCTCCCCAGCATTTCCACAGACCTGGCAATGAGCCGTCCAG
CGGCCGGAACTCCCCTCTCCCTTACCGGCCAGACAGCCTCCCTCTAACTCCAACTTACGCTCAGGCCCCTA
AACATTTCCATGTTCCAGATCAAGGAATCAACATTTACCGAAAGCCACCCATCTACAAACAGCATCGTGCC
TTGGCAGCCCAGAGCAAGTCCTCAGAAGATATCATCAAGTTTTCCAAGTTCCCAGCAGCCCAGGCACCAGA
CCCCAGCGAGACACCAAAGATTGAGACGGACCACTGGCCTGGTCCCCCCTCATTTGCTGTCGTAGGACCTG
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GAGCAATTAATGAAGCTTAACTCAGGCCTGGGACAGTTGATCTTGAAAGAAGAGATGGAGAAAGAGAGCCG
GGAAAGGTCATCTCTGTTAGCCAGTCGCTACGATTCTCCCATCAACTCAGCTTCACATATTCCATCATCTA
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AACAGCTATGGGGATGTCAGCGGGGGAGTGCGAGATTACCAGACACTCCCAGATGGCCACATGCCTGCAAT
GAGAATGGACCGAGGAGTGTCTATGCCCAACATGTTGGAACCAAAGATATTTCCATATGAAATGCTCATGG
TGACCAACAGAGGGCGAAACAAAATCCTCAGAGAGGTGGACAGAACCAGGCTGGAGCGCCACTTAGCCCCT
GAAGTGTTTCGGGAAATCTTTGGAATGTCCATACAGGAGTTTGACAGGTTACCTCTTTGGAGACGCAACGA
CATGAAGAAAAAAGCAAAACTCTTCTAAGTCCCACTCGTGAATGGCAATTAGAGAAAGGACTGACAGTGGC
GGTGCCCCATAGGATGTCATATTGAGGCCCAAACTTGATTGGAGAATTTGCAAACTACCGTCGCTCAGCAA
CACCAAAAAGAGAAAGTCTGGTTAAAACACCATGAGTCAAATGTCGGGCCAGCCAACAGTAACACTTGCCA
AGAAGCATGGCGTAGAAATTTCTATGTTCCGAAACACAGAGTAGTGTCCACATGTGACCTTTTCACATTAC
CTTATGTATACAACAGGAGCTGCGTTGTTTTCTTCTTTTTTCTTTTCCTTTATCTGTTGTCCAACAACAGTG
CTGACTGTCCGGATAAGAGCTGGCAAGTGCCCTTAGGATGCCGCATGGGAAAAATCGGTTATCATAATTTC
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GTCTCTCTGGCATCCTATGAATCAGATCAAGCCCATGCTGTTGTTGGTTTTTAAGGTTTCTTTCAATAATA
GGCTAAGGAAAGACATGTTTTTCTCTTTTAAATCTCTGCAACTCCAAAGTAGACTCCTTCGAACGTATTTA
ATTTGGCCTTTTCAGCTTTCTTCTTGCCCAGCTCTGTCGAATTCATGGGTGTGTGTGCACATGTTGGTTTC
ACTCACCCAGAGTAATTTTGTGAGCATGCATGTGCTTTTTAATTTCTGCTTGAATGTTTGTCCTGCTGTGT
TGCAGCTTCTAAAGACATTGTCACCGAGTGTGTGTGACTCAAAGATCAAGAGTGAGGCTAAACTGCGACCC
CAACATCACTTCCTTCATGGAAAGGTGTTGGCGCTGATGTAGCTCATGGAAGGATCAGACTGGGAACCACA
GAGGAAGGATGAGGTGGGATGTGGAGGTCAGAGCATCTCACGAGAGTCCCTCAGGCTCTGCAACACTAGAT
TCGAATATGAGCCTAGGGTTTCCCCAACACGTGCGTGCATATGAAACCACATCATGATTCCCGACGTGAGT
TAGATGAGGGAGAGTTTGTGTAACTCCACACCCAGGAGGGTAAGCCACTTTATTATCATGCTTTGGGGCTG
TGCTTAAGAATTTAAGCTCTGTTTTAAAGCCGAAGAAGAAAACATTTGAATTTACCTTCATATGCCACTAA
GAACAAAAGCTCTGAAGTTCTTCCTGCTGGCACCAAATATTAGGATTACAAGCTGTCTCTCTGACACCAGT
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TGGGGGATGGAATGAACAGTCACTGTTCTATAGCATCCTCCTGTGCTCTTACCTAAGGAATCTAAATTGTC
CTAGCCTTCCATTGCTATGCACTGAATGAGGACTACTCTCGTGTGTGTGTGTGTGTGTGTGTGTGTGTG
TGTGTGTGTGTGTGTGTTGGATCTACTAACATGTTTAGCAAATGGCTCTGACAGGGTGGCCATGAGCAGAT

Table 6
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GAGACCAGCTCTTGCTTGGTTGGAAGCCACACTGCAGTTTGCAGTTTAGCCTTTGGTGTCTCAGTGGCCTC
TTGCTTATTCCATGCTTTTTCTATCCCATCCTCTCTCTGTGCCCTCCTGCAATGGCAGCCTTGGCACAATG
CCTGGGTGTCCTCATCCTTGCTTTACTCTGGAAAGTGTGGGGATGGAGAGGATGGTGCATTTCCAGTGCTT
CCTTACCTGTCAATAACAATGGTGGCCACCTGGGTCCCAGCACTTGGCTGGTGGAGAGATTTTTTTCATTA
TGGAGCTAATAAAGGGTCCCTACGTTTTACATTGATTAATGAATTATCACCCAGACATGTGCAGATGAAAT
GTCAATATAAGAAAAATCAAGGTATTTGGGAAACATGGGCATAATCAGGTAGTTTTGCTAAAATTCCTCTT
CCTTGGTCTACATAAAGAAGACATGGGTCTGTCATAGAATGGGGACATTAGACTGAAAACTGGGACAACCC
CCTTCCTTATTTTATAGAGACTAGGAGTTAAGGGGCCTGCCTAAGATTGCAGTGATAAAGAACTGAACCCT
AAATCAGCTCCCACTAATGAAACCCTGCTTTCCTTGTATCTTTTAAACTCAGTTCTGCATCCAACTTGAGA
AGAAAAAAAGCTTCTTTCCATATCAAGTACCATATGAGTTCATTTAAACTGCACCTTGCAGAAATGCATTG
CCAGAAAGCACCAGTAGCCTCCTATCTGCAAGCAGAGTAGTGCTCTGCTCTGGGGAGGGGTCATTGGAAAC
CATAATGCAGAGTGGGCCCCCTACTCCATTTCCCAGCAAAAGGCTCCAGCTGGAGGGATGGGTTGTGGGGC
AACCTGGTTCCTGCTAACTGCCAGATTGAATGTGTGGGCTAGAATGCCTGCACATTTAGTTAAACTGGGCT
CAGCATGCTTGTCCTCAAAATGTCCATCCTGGTCACAGCACACAAGATGGCTATTGGTCTGCTTTTACCCT
ACCCTGTACTATACATGAAAATTCCAGTTATTAACACACTCAAACTGGTGGAGCTTGTTCACCCTAGGAAG
GGGATTGTATATATGGCAGGCTTCCCTGGTGCCGATGTAAAGGGCTACATTTGGGAACATTTGACTTCCTT
GGGACTCTTAAGTGCATACTGATGGCATGAAGTAAAAGGGGCCTCAATGATGATAGGAAAATCAGTTCTTT
TAAAATTTCTTCAAGAAAATCCAGGCTATCACATAGTCTTTCTGTGTGACTTATTAGGAGATAGGAAGAGC
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TGACGTGTTCAATAACTTCACATAAACTTCCTGTTCTCCAAAACCTCAAAGAGATAGAGTTAATGAGTTGT
TGTTTTTTTTTAAATGGGGGTAGTTTTCTATCTGTCATGGGCTCTAGCATCTACTCCGCTACCCAATTCTG
TCATCTCCAAGCTGAGTTTCCTCTTCTGAGGCAGAGGCTGGAGCAGTTCTTTTTCAGTTCTCATCCTCTCC
ATCCCAATCCAGTATATCAATCAACTCTAACTCGGAGACGTCTAGCTGGCAATGTTTCTAAAACTTTCACT
GGATTTCTTTAGACATTGAAGCAAACATTTTTTTCTAAGAATTGCTTCTCAGATGATGATATCAAATGTAT
ATGCTTTTGCAAGTTTGAAAAGTTCAAATTAACCACTTTTGACTAGGTAAGTCTTTCTAAAAACCATTTAA
AGCTAACTGGGTCTTAGCATCCTCCTGTGTATGGAAGAGACAGGTGACCGCTCCAGGTTGGGTGCTCACAG
AACCCTTTTCCTGACTCTCATGGAAGATGGTGGAAGGAAAATAGACTGTCTCATCAACCCTCCTGTGTCCT
CTGAAGCAATCTCAGTTTTTATTAACCACCTCTTCTGTGTTTCTGGTAGCTATTTAACCTGTATTTAATCT
GTACTTCCTATGCCAGCCTCAATTTTATTTGATTTTTAAAATTATTCTCTTCTAACCAATGAAGTGTTTGT
CAGTATGCCCCAAAGCTTGCTCTTTTGTGCTCCCTTTTGAATAACTTTCTATCCAGAAAAAGAGATTATTT
GGGACTTGAGATTTGCAGTGATACCAACTTATAGCAATGATGTACTTTAAGGGAACTACCCAACTATGTTG
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GGAAGCAGTGGGAGGTGGTGGCAGATATGCTTTGCATATGGATTGTTATGTTTTTATTTGGGCAAGTTTAA
TCATGGAAAACTCAAAAAGAAGGGGGGAAATGGTCAGTTTAAGCCAAAAGAAACTTTCTAAACAATGTATA
GGTACACAGCAAAATTAAACAAATCCAACAATTTCTGAAGCTTAGTGTAATTGAGTGGTGGTTGTTATTCA
ATAAAATTATTCCCAAAAGTGTTTCTCCTAAGAGTGCAGTTCCCATGAGTCACTTCCTGAACCCATTGACC
AAAGGTGGACAGAGACAATCCTGTAGACCTTGACATTCAGAAAGATGTGAGCTGCTTACTGATCATATATG
CATACGTTTCTTTACAGCAGAGGAAACCATTGTCCACAAAACTGATGTTCTTTTGGGGTTTTATGTACAGA
CTTGTCCAATCATGTGTGTGGTTCCTGCGAGTTGCTGATGACTCCGCATTGAAGCTCTCTGAGTTCTTTGA
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GCAGGTGTGTGTTGGCGCGCTAAGTGCCACATGCTTGTGTGTAGAGGAGGAGGTGGCCCTGCCGGCTCCGC
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TATACTCTGCATCACTGTCATACTCACAACTTCGTGAATAAAGTTGTGTGCTTTATTCGAAAAAAAAAAAA
AAAAAAAAAGGTTCCTGCCCNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Table3 3785
NNCTGAAGCACGTTGGGTGAGAGAAAGAAAGAAATCACATCCTTTATCCTCCCACACAGCCAAAG
ATTCCTGAAGACAGAGCTGATGCCATGTACTCAAGTGGGTCTCTGCCTCTCAGAGGTGGCCTTGGTCTTCA
AGTTTCAGCAATTCTGGGAAGCCAAGGACACCTCCATCTCCTCCTCCCTGATCTGCAACTCATCTAAGAGC
AGCTTTCTCATTGGAATGTCTTGTGTTTAAGGAACAAGAATCCCTGTTTCCGGTTTGGGTGCCCAAGTGCA
CCTACTGGATCCAACCCAGGATTGGAGATACTTTGCAGAACACAACATCATCTGGCACATGACCAGCCATG
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CAGGGCTGATGTGGGCGGCTACAGGGAGAAATTGAAGAGGAAGTTCTTGGTGGTGCCCTCCATGAGTACAA
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TGAAATTTGCACAGCTACTATAGCTTCATTTCGGTTCATATTTTCATAATCCATGTTTTCTCATCCTTTTA
TATTTGTGAATGTGTAAAGTAACTTTCTTGTGCATAGCTAAGAGTTTGGTCTTGCTTTTTTAAATCGACTA
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TCTCCATTAACATATTACCTAATTCACTTTTTATAAATATTATATTTGTTACCATAAGGTTTGCAAAAGGA
GCGATTCTTCATTTTGGAACCCTTTCTTATTTTCTGGGTACGACATAATGTAAAGCAGGCTTCGGATAGTG
GATCTGGGGACCAAGTTTGAGGTAGTGGAAATGAGACATTGCTGAACAAAAGAGAACTGGGTTTACCTGAC
CCTCTAAAGCGCTAAGT

Table 6
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Table3 3786
ACACTGGAGGCTGGAGCCTGCAGATGGCATGGCTCTGCGGCTCACCTTGCTGCAGTTGGTGGTGG
TGACAGAGACTGCAGCTTGACTGTAGTGTCCATGTTCTCCAGAGAAGCAGAACGAGTTGGATGTATGTTTT
GGAAGAGATTATGAGGAACCGGCTCATGTGATGAAGGAGGTTGAGAGGTCCTGTGCTCTGCCATCTGCAAG
CTGAAGACCTGGAAAGCTGAGGGTGTGGCTCCAGTCTGAGTCTGAAGGCCCAAGAACCAGGGGAACCAACG
GTGTAGATTCCAGGTTGAAGGCAGGAGAAGATGGATGTCCCAGCTCAGCAGGCAggCAggAAGCAAATgag
g
Table3 3787
CAAGGGTGTCGCCCCGCGTCCGCACTGGACTTGTAAACGAAAAGCTTCATAAGTCCCTCTTTGCT
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GCGATGGCACCTTCATTTACCGCCCGCATTCAGTTGTTCCTCTTGCGGGCGCTAGGCTTTCTCATAGGCTT
AGTAGGCCGAGCAGCTTTAGTCTTAGGGGGTCCAAAGTTTGCCTCAAAGACCCCTCGGCCGGTGACTGAAC
CATTGCTTCTGCTTTCGGGGATGCAGCTGGCCAAGCTGATCCGACAGAGAAAGGTGAAATGTATAGATGTT
GTTCAGGCTTATATCAACAGAATCAAGGACGTGAACCCAATGATCAATGGAATTGTCAAGTACAGGTTTGA
GGAAGCGATGAAGGAGGCTCATGCTGTAGATCAAAAGCTTGCAGAGAAGCAGGAAGATGAAGCCACCCTGG
AAAATAAATGGCCCTTCCTTGGGGTTCCTTTGACAGTCAAGGAAGCTTTCCAGCTACAAGGAATGCCCAAT
TCTTCTGGACTCATGAACCGTCGTGATGCCATTGCCAAAACAGATGCCACTGTGGTGGCATTACTGAAGGG
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TCTATGGCCGATCAAACAACCCATATGATTTACAGCATATTGTAGGTGGAAGTTCTGGTGGTGAGGGCTGC
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CTTCAATGGTATATTTGGACACAAGCCTTCTCCAGGTGTGGTTCCCAACAAAGGTCAGTTTCCCTTGGCTG
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TACTCTTTTCAGTTGTGGATCGCAATGATGTCAGCAAAGGGACATGATGGGAAGGAACCTGTGAAATTTGT
AGATTTGCTTGGTGACCATGGGAAACATGTCAGTCCTCTGTGGGAGTTGATCAAATGGTGCCTGGGTCTGT
CAGTGTACACCATCCCTTCCATTGGACTGGCTTTGTTGGAAGAAAAGCTCAGATATAGCAATGAGAAATAC
CAAAAGTTTAAGGCAGTGGAAGAAAGCCTGCGTAAAGAGCTGGTGGATATGCTAGGTGATGATGGTGTGTT
CTTATATCCCTCACATCCCACAGTGGCACCTAAGCATCATGTCCCTCTAACACGGCCCTTCAACTTTGCTT
ACACAGGTGTCTTCAGTGCCCTGGGTTTGCCTGTGACCCAATGCCCACTGGGACTGAATGCCAAAGGACTC
CCTTTAGGCATCCAGGTTGTGGCTGGACCCTTTAATGATCATCTGACCCTGGCTGTGGCCCAGTACTTGGA
GAAAACTTTTGGGGGCTGGGTCTGTCCAGGAAAGTTTTAGGAGGACCTTCTGCAAGGTTAATGTGTGTGTG
TGTTTGTGTTCGTGTGGTGGTGTTTCTATTAATTGGGTGAAACCAAGCACCAGCAGACAAGCAGAGAAACA
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AAAATGGTAATATTTGCTTCTTGCTTTTATGTTACTGGAAAATTAGGACATGTAAATGGATAAGTGCAATA
AAGTTTCCTAAATGCTTGAAAANNNNNNNNNNNNNNN
Table3 3788
NNACCCACGCGTCCGGCTCCTGAACGGCAGGCATTCTCTTTCCTTTTCCTTCTCTCCTGAGCGCT
CCTGCAGTTCCTGGGGCGTAGTAGGGGATCCACAAGCGTTTGTGACCAGTGAAGTTCTTTACAAGGGTGAG
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AAATTATGAAAGATTTTTGGATATTAATCTTTATAAAGACAACAATATCACCACGGGGAAGATATATCAGC
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AGTTTAAGGCGAAAAGAGAGAATTTCTGTAATATCCACGTTAGCCTTGTCCCACAGCTCAGTGCTACCGGA
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CTAGCAGTGATAGAGTTTGCAAGAAACTGCCTTAACTTGAAAGATGCTGATTCCACAGAGTTTAGGCCAAA
TGCCCCAGTTCCTCTGGTGATTGATATGCCCGAGCACAACCCTGGCAATTTGGGAGGAACAATGAGACTGG
GAATAAGAAGAACTGTTTTCAAAACTGAAAATTCAATATTAAGGAAACTTTATGGTGATGTTCCTTTTATA
GAAGAAAGACACAGACATCGGTTCGAGGTAAACCCTAACCTGATCAAACAATTTGAGCAGAATGACTTAAG
TTTTGTAGGTCAGGATGTTGATGGAGACAGGATGGAAATCATTGAACTGGCAAATCATCCTTATTTTGTTG

Table 6
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GTGTCCAGTTCCATCCTGAGTTTTCTTCTAGGCCGATGAAGCCTTCCCCTCCGTATCTGGGGCTGTTACTT
GCAGCAACTGGGAACCTGAATGCCTACTTGCAACAGGGTTGCAAACTGTCTTCCAGTGATAGATACAGTGA
TGCCAGTGATGACAGCTTTTCAGAGCCAAGGATAGCTGAGTTGGAAATAAGCTGAAATGAATACATGACTG
GGAATAATGGGGACTGCCTGTGAGGCCTCTGAAATAATTGAAGGCAAGATGAAGGAACTATCTGAAGAAAT
CACTACACTCTTAGAGAATCCCTCTGTTCTCCAGCAAACATGGGATGTAAAGCCTCACAGGGAATCTGATA
ATACATACTTCTGTCAACCAGAACCAGAGGGGTAGTTTTCTTTTCCCTCCAGAGGCAGCCTTTGGTACTTA
AAATATCTGTAGCTGATTAAATTTTTCCCAACAACCTCACTGGGGAGAAAGTGTGTTCATGTTTTGTCCAG
CGGATCAGGATGTTAGGATGACGAGCAAGAGTCCAGGTCACTGTGCCTTTGCTGTGTTGTATGGAAAGGAT
GGCAGGGAACATGCTGTAAGTAATTTTGAGTAAGAAAATGAGTCACTGTGTTACCTGGAACTCAGCCACAG
ATTTGTGTGTGGTCCAAGATCATTGCAGTTTCTCACCCTGTTTATTTCCTGGTAAAAGTAAAATTGAATAG
GTCCAAGACTTGGGGGTGGCAAGTAAGGCTTTGCCTCAGGACAAAATTTAAGGGGGCTCCAAAAAACTCAG
GAATCAAGATCAGCAATACAGTCTGAGTATCCCTTATGTGAAATGTTGGGGCTAGAAGTGTTTGAATTTCA
GATTTGGAATATTTGCATATACATGCGATATCTTGGGGATGAGAATCAAGACTAAACATGAAATTCATTTA
TGCTTCATATACACTTATATACATAGCCTAAAGGTAATTGATACCATATTTTAAATAATTTGTGCATGAAA
CAAGTTTCGAATGATTTGACTGTGATTCTGGCATGAATCAGTATGAATTCCACTTTAGCGTATGTGGTCAG
AATTTGAATTGGGCTTGATTCGATAGGATGAACTGTTTTTTTAACAGGGATTCGTATAATACCTTGAGGAC
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Table3 3789
GTCCCCCAGGTTCATGCTTTAAATATCCTTAGAGCATTGTTCAGGGATACGCGCCTGGGAGAAAA
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Table3 3792
NNNNNNNNCAGGTACATATTTTTTAAAACTGGTTAGCGATAGCTACATGACCCAATTATATTTTC
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TGTAATCCCAGCACTTTGGGAGGCCGAGGCGGGCGGATCACGAGGCCAGGAGATCAAGACCATCCTGGCTA
ACACAGTGAAACCCTGTTTC
Table3 3793
CGTCCGCTCTCATTAAGAAAATTTTTCCCCACAATTGTCTGATGTATGAGTCCTCTCAGAAGCAC
AAGTGCATACTAGGAAGGCTTTGTAAACTGGTTTTGTAGGCAGGCTGTACCTGCAAATAGGCATTCTGAGC
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Table 6
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GTGAAAAGCTACAAGGTTCACAGGGCCAAATATTCTCCCTTTTGTTCTCTAAACATGTTGCACACATAAAC
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NNNNNNN
Table3 3794
NNNNNAGACCTGGAAGTCAAGCGACCCACGCGTCCGGTTTAGTCTGCAGCCGAGCAGCTAAAGGG
AGAAAGAATCGCTCAGGAAAGACACACTGCAGACTCCACCGGCACCCTGCAATAGATGGGTTCCGACTACA
CAAGGGAGAAAACGCGGAGGTGACACTCTCCTGCCTGGAAAGAGGACGAACGACCAAACAAACGCAAGGAC
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Table 6
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CTGGTTATTATGGTGCTATTTGCAACTAGGTGTAACCGCGAGAAGAAAGACACTAGATCCTATAACTGCAG
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Table3 3795
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Table3 3797
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CN
Table3 3800
NNNNNNNNNNNCGATGGAATAAAAGAAGATGGAGAGACTTCAGCGCCTGGGACTCGGGTGGGCGA

Table 6
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GGCGGAAGGTGTCCTCGCAGCACGGCTTTTCTCCGCGCCGCGGTTGGTTAGCGAGTGCCCTCTGGGTGCTA
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GACGATTAGTTCTAAAATCTTATTCCTCCTCTTCTCCCCTCACTTTTCCCTACTTCCTCTGCAAAAAGATT
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Table3 3803
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AGAAGCATTCCACCTGATCTTCACCACCCTCTTTGATCCTCTTTTTAAATCTGTGTGTGGAAGGCAACTGC
AATATAGAGGATTTGGAAGGTTGTCTGTTTCTGTTGTCTGGGGAAATGATAAAAAAAAAAAAAAAAAAGAG
AGAGATGTGAAAAGGAAAAAGATGGACCAGGTGATTTTTCCAATCTTCAAAATTTAAATTTCTTGGTTCTT
ATAAACATAGGAAGAGTCACTGAAAGGTGGCACCAATGGATATTTTGTAAAATAACCCACAACTTTAGAGC
TGGAAAGGACTTGAAGAAACAATTAATCCAACTTCCTCACTTTTTTGTCTCAGGAAACTGAAGCCCAATTG
GGAAAACAGCAACTTACTTAACATAGTGATTGTCTCCATGGCTATGTCCTGTAAAGATTCACAGAAACCCC
AATTTCCCCTTAATAAATCCATTATGGCATGCCTATGAGTGACTTTAAATAAACAATCCTCAATGTCCTCG
TGTCTAGCCTTTCCTCCCTTTAGGGAAGCTGGCTGCTAACACAGCACCTGACCAGAGTAGACATTTGATAA
ATATTTGTTGAGTTGAATTAATCCTGCCATCTATCCCTTTTTACTATGCAATCTTTATTTTTCCTGGAGCT
TCTTACTTTTAACTTTAAGAGATGGCTTCTAGTTCAAGTATTTTGAGGCTTGGTACCCCGGCCGCGACCAC
GCCCAGGGTGAATTGCGGTTGTTTCTCCTCACAGGAAACACCGTATGGCCCTGATTACTGGCCGTCGTTTT
ACACACAGGAAACAGCNN

Table 6
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Table3 3806

cggaagtcttCTAGAATTAATTAACGCGGGGGCGCAGCTCTTAGTCGCGGGCTGACTGGTGTTTA
TCCGTCACTCGCCGAGGTTCCTTGGGTCATGGTGCCAGCCTGACTGAGAAGAGGACGCTCCCGGGAGACGA
ATGAGGAACCACCTCCTCCTACTGTTCAAGTACAGGGGCCTGGTCCGCAAAGGGAAGAAAAGCAAAAGACG
AAAATGGCTAAATTCGTGATCCGCCCAGCCACTGCCGCCGACTGCAGTGACATACTGCGGCTGATCAAGGA
GCTGGCTAAATATGAATACATGGAAGAACAAGTAATCTTAACTGAAAAAGATCTGCTAGAAGATGGTTTTG
GAGAGCACCCCTTTTACCACTGCCTGGTTGCAGAAGTGCCGAAAGAGCACTGGACTCCGGAAGGTAACCCC
TCGCCCTTTCCAGAAGCCAGAGAGACCAAGTGTTATGTAAGAAGTAGTGTCGGCTGTGTAGAACCACTGAC
TACACAGGCCGAAGTTACTGAGAACTTGGACAGAAAAAATAGCCAGCAAGTGTTCAAACTACTGAGGAAAA
AAAAAAATTAGATATGCTGCACTTAAGAATACTAGGGCAGGTTAAAAGAGCTGTTTAAGTAAGTATCAGAG
TGCTGTGGAGACTCGGAAGTGTTTAAGCTGCTTAAGTAAGTATAAGTGCTGTGGAGACCCGGAAGAGTTAG
ATATAATGTCATTTGTTGTAATTCAGTTTCATAAAATGGTTCTTGTTTGACCCTAACGTAACAGTTTTTGT
AATTGTGTTAAATCACATTTTTTTCTTTAATTTGTCCCAATCTTCAGGTTACAGTCTCTAGCTTCGCCATG
TACATGGCCCTTCCGTGTACATGGATGGGCGGGGAGGTAACTAAAAGATCCTTTACACAATAAAGTAGATG
ATCATGATAAATGAGGTAAGGTCCTATTATCACACACTTCAAACACGGTAGATCAGAAACCCACTATGATA
CTCGCTTCCTGTCTGTTTGCTAAGGAATATAAAATGGCTAGAAAGTTTAATTTGAAACCTTTGCCTCCATT
TGGAATAGTAGACACCAGTTAAGAGGGTGTCAGATGCCTTTTTTTTTTTTTTTTTGGCTGGTCCCTGTTG
ATTGGTCAGAAGACAGCTCAGCTAAAAGGGGAAGTTGTCTGGGTGGTTGCTTTTTTTCTGACGTCTGTTCC
TCAGGCTGGAAGAAATGAGCAGAAAACAAGGGATGAGTACTTTTTAGAGTATGTGCATGTTACGTAATACC
TGTTTCTGGGCAATGCTGCTTCTTCTGACTCAACAAATGGGGAGAGCAAATTGAAAATGCGTAAATTGGAA
GGCAAGTTCTGAAATTAAACGTTGTACTTtggCctGATGTTCtGACCTTtaaggaaGCAaGAGTTtgtaaa
ctttcaaatatttactattctgaactgtcgcgtaaacctgacgtatttccaagtcaacataccagtatacc
aatacggatgtgaataatgtgtgagtcgaGTttAAAACCATAGCAGTTTTGCTCTGGCAAGTAATGAAAGC
GTTCTCGCTTCCTGAGTGTGAGCTCCAGCAGACTGCAGAGTGGCCAGTCCACAGTTGTAGCCTGACTTCAG
TGAGTTCTGATGTGTGCTTTTTGCAAATACATGTTCTCAGAACAGTGAGATCATCCAGCAGTGGCCTGGAC
TGCACTCACATAAAAATCATGAGACAGCCATGGCTACTTGTTTCTGTAATACATGCATGTGTGTTTTTTAA
AACCTATGATAGGCCTCTGATTCTGCAGCTGCAACTTTTATGGAATGTTTTCCTTCTCCACATCTCATGTG
ATGCTCTTATTACAGGACACAGCATTGTTGGTTTTGCCATGTACTATTTTACCTATGACCCGTGGATTGGC
AAGTTATTGTATCTTGAGGACTTCTTCGTGATGAGTGATTATAGAGGTACGATTGAGTTCGGAGCAGAGGG
TCTGAAGAGAGTTCAGAGTTATAAATGCTTACAATGACTTTTTAAATTGTACTCTTTCTTTTTAGGCTTTG
GCATAGGATCAGAAATTCTGAAGAATCTAAGCCAGGTATGTCTTAGTTTTTGGTTTCCAAATTTGTAAGTT
TACTGGATTATTTTAATGATGGAATAAAAATTGGGTCTTGAGAGCAGGCTGAAATGTCACTGAGTGTGTGT
TTTACTCTCTCATAATAGGTTGCAATGAGGTGTCGCTGCAGCAGCATGCACTTCTTGGTAGCAGAATGGAA
TGAACCATCCATCAACTTCTATAAAAGAAGAGGTGCTTCTGATCTGTCCAGTGAAGAGGGTTGGAGACTGT
TCAAGATCGACAAGGAGTACTTGCTAAAAATGGCAACAGAGGAGTGAGGAGTGCTGCTGTAGATGACAACC
TCCATTCTATTTTAGAATAAATTCCCAACTTCTCTTGCTTTCTATGCTGTTTGTAGTGAAATAATAGAATG
AGCACCCATTCCAAAGCTTTATTACCAGTGGCGTTGTTGCATGTTTGAAATGAGGTCTGTTTAAAGTGGCA
ATCTCAGATGCAGTTTGGAGAGTCAGATCTTTCTCCTTGAATATCTTTCGATAAACAACAAGGTGGTGTGA
TCTTAATATATTTGAAAAAAACTTCATTCTCGTGAGTCATTTAAATGTGTACAATGTACACACTGGTACTT
AGAGTTTCTGTTTGATTCTTTTTTAATAAACTACTCTTTGATTTAATTGTTTGGTGTAAGCATTTTTACTA
GTTCTTTATTTCTTACACATCTTTCTTGCTGTTGAAGACAAAAATGACCCGCGTTAATTAATTCTAGAAga
cttccga

Table3 3807

NNNACGGGAGGAAGACAGAGGAGACGAACGTCGCTAATCATGTCTTCGTATGGTGTGCCCCGCTG
TCTCGCTAGACGCTTAGTGTGCGGATCCTGCTTATGCTTCCGTGCTCTCTTTTTTCTGCTCTACTACTGTG
GCCCTATCTGCAGTTGATCACTTGGACAGCCGATATTGTGGGCTGTGTTCTCCTATGCTGTTGCACCCGCT
ATTGGGCTGTTCTCAATCGTACACTGAGGTTGGAGAGGGTGTGTCTTCAGCGACAGTTGAGCCCAGATGTC
GGGAATTTCGTGGTTAACGTACTTCTTCCTGGGCTTGATTCCTTTTTGAGGGGAAGTTTTTAACCTTTCCT
TAGTAGTTACTTTTAATGAACTGAAGAAGAATTAAAGCATCAAAGGCCTAGTGTATGATTTGACTCCGAAG
TGACCCTCTCTTCTACTTTGATAAAGTCAAGATACCTTATTGGCCATAGGAGATTCCTCCTTTTGGGGCTA
CCCCCATACCTGGAAATTCCAAGAGTGTGAGGGCTATATTTGGGCCCAGAGGAAAATCAAGGAACCCCATA
TCCAGCTGCTAAAGCCCTTGGGCCCAAGGAGTGTACCACTGAATCCAAGGCTCTCTTGGGTAGCCTATGTG
CCTCTTGGATGGTATGTGAACAAGGTAGGGATGAAACTGCAGATGTCTGAAAAGAGCTTAAGCATCCTGAC
AGCTTGCATTTTTTTTTTAATTTTTTTTTCCTCACCGTATTCCACATACCTGTGGCTGGGGAAGGTAATGT
TACCTCTGCAAACAGATGCTCTGGTAAGAGAAGAAAGACACAGGGAAGGCAGAGAGAGCAAGACAGAGGGC
TCAATCACAAAGCTGGGACAAGGAGAGCAGCTGTTTTTCACACATTCCTGCTCCTCTCTCAGCTGGGCTCA
TGTTCACTCCGTTTCATTCCAATCATCAGGGTGGAGATTTCAGAGGTGACTATCCCTAATCCAGTAGAGAA
CATGAGCCCTGGGAGCACAGCTGCCTGGAGTCCTCCCAAGGGTCTCCTCCCCTTTTCCAGACTCAGCATCA
TTGAAGCCCTAACGGGTCCTTGTAAATTAATGTTTCATATTATCGAAGGACTGTCAGTTTAGTTTGGTACA
GTTTATTGTAGCCTAAGAGGTCCAGCAAGATTTCAAGAGAGGAGAGATGATTGCATTACTTGATTACAATG
AATACAATCTTTAGGATACTCTTTACTTTTTGTACAATAACGATATGAAAGGAATTTTTTATTCTACCTAT
ACACAGCTCAAAATAAAGGTATAACTTCTGGAACTGAGAAACTGATGTCGACGCGGCCGCGATTTCTTTCA
CTGAATGTTGATACGCTTTGATAAGTGTATACATCAAGGGCATATACATATACACCCAACACCCCTCTCTC
TTTGTTCTGATTAACTCNNNN

Table 6
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Table3 3810
NACACCACCTGAGTCAAAAGTAACCTCTTTGCCATTGTAGCATACAGCAGTTGATGGGAGCTTCA
CAGAAGTTCTTGAAATCCACAGTCCTTGCCTGGCACACTTCAGTGCTGCAGGCTGACATTATCGATGGCAG
TGTCCCTGTCTTTTGCTCCCCTAGCCCTCCCACAGGCTGAGTAAGCCTCTATCATCTGGAATACAGTGTGG
CTTCTGTTTTACTAATTGAACCCTGACTTACTACATTTATAATGTTTCTCTCTGCTCATGTAGTCTTTGAT
GAGTCAGAAGGTCCTTTCCACGCTCACAGTGTGTGTACTGTGTCTCATCTATATGCACTCTCTGATGGGCA
AGGAGGTATGAATTACGACTGAAGCCCTTACCACATGCCTTACACTTATAGGGCCTCTCTCTTGTGTGGAC
TCTGAGGTGAACATTAAGATCTGAATTCCGGCTGAAGCCTTTACCACACTCATCACATTTATATGGTTTCT
CTCTGATGTGATCTCTTTGATGTAAGTGAAAATATGAACTGTAACTGAAGCACTTTCCACACACTTCACAT
TTATATGGTTTTTCTCCAGTGTGAACTCTCTGATGAGTGTGAAGAACAGAGCTATACGCAAAATCCTTTCC
ACACACATTGCATTTGTAGGGTTTCTCCCCTG
Table3 3812
NNNNAAAGGATCCCGGGTATCCCCTTAGCGAGACAGGACCTGTATTTACCTGCCGACTAACTGGG
GCTTGAATGGCAAGCTATGACTGTTCCTTCAAAATTTTTGAGTGGCTTTTTGAAATTAAAAGCCTTCTAAA
AGTTGCATCAACATCCTCCTAAGCCCCCAGAGGATTGTAACACCACCACAAAAGGCCACCAACACTTTTTA
AACAAAGTGAAAACTGTCTGACACCAATCATCTTGAAAACTCCATGGCAAGTGCATTAGCTATGATTTCAT
CACTTACAGGTAGAGAAGCTTACTGTCTACTGGTGTGGACACTCTTGCTATTTTCTTTATACTTAATTTGC
AGTGGCAGAATGGTGAAGTAAAGGGGTCTAATTTCACTGTGAAAAAATGAAAGACAATGGCAGAGAGGGCC
ATGAGTAATTATTTCACCATTTGTTAGAGACAAATGCTAGGAAAACCACAGAAGTCACCATTTCTAAAATG
CATTTAGCACTGCTAACATAGTTATGACTAACTGGAATCATGACAGGATCATTTGATTTCCTTGTGGTTAT
AGAACATGCTGTATTATTTTGGTTCTATTGATCCATTTTAGAAGGTATCTTTCTCCCCCTACCCAAATCCC
ACTGGACCAACAAGCCTGTAACTATTAATTAAAAAAAAAAAAGTATTTGTGCATATGCCTGAGAGTACTGCA
TATATAAATAGCTAAATTAAAAAGGACTTGAATGCCGTGAACTTTTGTATTGGTGAAATGGTGGCTGCCTT
CTGTGATAAGAGTCTGCCACTCCAGAGGAGTTCCTTATGTCAGAGGGGAATAGGATTCACTGTATCTGTGA
GGCTGGCAACGCCACACACGTGGTTCCATGTGAGGACAGACTTCGGCAGTGACATCCCCTCCCAATGTATC
CAGGTAACCCCGGTACCCGGTCAACAGAGGGGGACAAATTCTCCAGGGCACAATACGTTTACAGCTGCCTT
TCCTTCACATACTTTTCTAATTCAGAACTACTCACAATTCTAAGCAAATTCCCATTCACGAAGTCTGTCCA
TAATGCGACCTTCTCTTTTTTTAACATATACATCTTAAAAAACAAATATATAAAAAATTCTTATTTTGCTG
GAATGCTTTCAATTTTTCACATTTTACATGATCATCACATTTATTTCTTATATTGAAAGGCATGGTTTCTG
TTGACCATGTCGTGCAAAGCCCCAAAAAAAAAAAAAAAAAGGGCCTCTGGATTGCTTTTCAATTGGTCTAA
CACTTTTCCTTGTCTAGGCTTTGGATTTTAAAGTTCATGACAGCCCCACCACCAGTAGAAACCCCAAGGCT
TGCATTTCCTGGTAATCGACTGGAAACGTCCCCTGTTGGCCATGCTAAGATTCCTTCAACAGGGTCATCCT
GCATTTATTCTCCTTCTGCCCCACCCCCACAATGAAACAAGATAGCCCCCATATTTCTAAATGTATCAAGG
GATACCACTTTTTCTCACAAGTTTAAATAGGACAAGCATATATACTCACTCTCAGCATAAAGTATATCTAA
ATAATGTATTTTCTATTCTAGTGGATTTTTAAAAAAATATTTTGTTAAAGTCTTTGGGACTCCATCTTGTT
TATCTCCCACAGATAAACACATGTTCCCCCTACGCTTTAGGCTGTGTCAGAAAGGGAAAGAATATAAAATC
AACACTTGAATTTTTTTACTCCAAACTTTGGAATTTTATTTCCAAATTTCCCTTTAGCCCTCCCAAGTAGT
GCTGACTGACTCTCCTGGTGACAGGGGTTTGTGTCCGAGCCCCTGCGGTCAAGGAGTGTGGAGCAAAACGT
GGGTACTAGGGTGGGAGGCGGGGAAAGGCCACAGCACACTGGCGNN
Table3 3813
TCGACCCACGCGTCCGCTCACAGCCCAGCCCCCTCCAGAGCCCTGCCCCACCGCACCCTGCTTCT
CCAGGGCCTAGCAGACCAGCATCTGCCCCGGTGAAGGGATGGATCAGCTGTGGGGGTGGGTGCAGAAGGTT
GCCACCTCCTACCTCAGCGGGAGTCACCTAGGAAAGATGGAGGGATTGACACTATTTTCTCAATAAAATGG
NNNNNNNNNNNNNNNNNNNNNNNNGGCCCTGTGAAACTTCCTGTTCCCAGCTGCATCAGAGAGCCTGTCTG
GGGCCAAGGTTGCCAGAGATTTCTGAAGACACAGCTTGTTCCTTGTTCTTGGCTGGTGGGTGCACAAGGAC
TTCTGGAAGGGATTTAGACGGGGCTGAGTGCTAGGATTAAAGTGGGGATGGGAGTACGGCAACAGAAAAAC
CTGGGAGCTAGCAATGCACCCAGCCCTTGACTGTGCCCTGGTGGACAGCCGAGCTGTGGCTCTAGCGTGAG
CCAGTGCCTTCCTGTCCCTGCCAAGGGTGAGGCCAGAGTTGGCCCCGAGGCTAATGTTTCAGTGGGTGAGA
TTAGGTCGGCCGTACAGAGGCCGGTGGGCTCCCTGACATCCCTTCCAGGCAACCTGAAAGCACTGAAATAG
CTTATGGCCCTGTGCCAGGGACCTTGGCCCAAGCTGCTGACCTCCAGGGTGGGGAGGGAGCTACCCCCAGG
AGAAGAGTCACTCAGACAGCAGTATGAGCAAGCCAGCCAGCAGCTCCGTGCCTGCACCCAGCTCAGGGGAA
TCCCAGGGGGTTCAGATGCCCAGGAAGGAAAAGGGGACAGCGCTACTGCTATGGAATGAGACCACCACTTC
TCCTGTTGTCCTTCCCAGCTTCTCCCCAACCTCCCCTTTTCCCTAGTTTATAAGACAGGAGAAAAGGGAGA
AAGCAAAAAGTTGGAAAGAAACAGAAGAAAGATAAATAGCTAGACGACCTTGGCGCCACCACCTGGCCCTG
GTGGTTAAAATGATAATAATATTAACCCCTGACCAAAACTACTGGTGTTATCTGTAAATTCCAGACATTGT
GTGAGAAAGCACTGTAAAACTTTTTGTACTGTTAGCTGATGTAGGTAGCCCACAGTCACATTCCTCACACT
TACTTGATCTATTATGACTCTTTCACGTAGACCCCTTAGAGTTGTAAGCCCTTCAAAGGGCTAGGAATTTC
TTTTTCGGGGAGCTCGGCTCTTAAGATGCGAGTCTGCTGATGCTCCCGGCCGAATAAAAAACCTCTTCCTT
CTTAAAAAAAAAATTGGTGCGGCCGCAAGCTTATTC
Table3 3817
NGGCCCCCAGCACCGGAGCCAAGGCCAACCCAGAGCACGCCCCTGGCCAGACCCCAAAAGCCTCA
ACGGGGAACAGAAACAGGGGACAGGCCCAGCATGGGGAGAACCCCAAGAAAAAGCTCGGAGCCAACCCCAA
GGACCTGGAATACCTCAATAAGCCAGGGCCCCGAGACGTAGCGGGAACCCCGTTACACCAACCTCATCACC
CAAGAGCAGAACCACACAGTCTCCTCTGTTGCTGAAACCCTTCTCCATGGGCATGCCTTCTGCCTTCCACA

Table 6
2632/3331

ACTGCAAAGCCCTACCTCAGGTCAATAGACAGATTGAAAGACTTAGCCTACACCATTTTAATTTTAGAAAA
TGCAAAGGCTAGAGTTAAAAAATATGAAGGCTGCTAAACGAGTAGTACATTCCAGAAAAAAATACCACTTT
CATAAAACTCACTCCCGTGTGGCCCACAGAACACCCAAGGCCAAAAAGATTAGAAAATTGAGAAAGAAAAG
TTATCTCAATAGACTGATGCTCGCAAAGAGGCCGCCGTTCTCTGCAGTGAAGAGCCTCATAAATTCCCCTT
CACAAGGGGCTTTTTCATCCTCAGGAGACCTGAGTCCTCAAGAAAACCCTTTTCCAGAAGTATTTGCTCCT
TCAGAATGTTTTATAGAAAACACTACTGTAAAAAACACAACTGCAAGAAATGCCTCTGAAGAAAACGTTTT
TATGGAAAACACTACTATGCCAGAAGGCACCATCTCTGAAAACACAAACTACAATCATCTTCCTGAGGCAG
ATTCCCACTAGGACTGCATTCAACTTAGAGCCAACTGTTAAACAAACTGAGACAAAATGGGAATACAACAA
CGTGGGCACTGACCTGTCCCCCGAGCCCAAAAGCTTCAGTTACCCATTGCTCTCATCCCCAGGTGATCAGT
TTGAAATTCCGCTAACCCATCAACTACAGTCCGTCATCCCCAACAACGATGTGAGAAGCTTCATTTCTCAT
GTTATCTGGACCTTGAAGACGGACTGCTCCGAGACCTATGTGCAAGTGACCTGTGCCAAGCTCATCTCCAG
GACAGGCCTCCTGATGAGGCTTCTCAGTGAGCAGCAGGAAGTAAAGGCGTCCAAGGCAGAATGGGATACAG
ACCAGTGGAAAACTAAGAACTATATTAATGAAAGCACAGAAGCCCAGAGTGAACAGAAAGAGCAGAAGTCG
AGTGAGGTGAGGACCACACAGAAACATGAGACCCAGACTTTCCCATCATTTAGCATATGCCAGGAAAGTGC
CCACACAGGAGAACCTGGGACTCCCAGGCCATAGTTTGTCTTGGCCATGTAACTTTGGCCATGACAGTGAT
CTCCCACTTTGTTCATTTAGAGAGTGAAACAGATTAGTGCACAGGATGAACTGTAGGCTGGGCATGGTACG
TCACGCCTGTAAACCCAGCACTTTGGGAGGCCGAGGTGGGTAGATCACTTGAAGTCAGAGGAGTTTGAGAC
CAGCTTGACCAATATAGTGAAACCCTATCTTCACAAAAAATACAAAAATTAGTTGGGTGTGGTGACTTGTG
CCTATAATTCCAGCTACTCTAGAGGCTGAGGTGGGACTACANNN

Table3 3818

NNNNNCCGCCCGGGCAGGTACCCCAGCTGATGATGTTCCACAAAAGAGCAAAACATACACAATCT
GGTTCCACTCTACAGAAATCCTGGAACTGGACTACAAAGGGAATAGACAGGGTGTGGCAGGAGGGGGTTCC
TCACGGTTGGAGTGCGAGGTTAGGGACAGGAATAGAAGGTAGGTAATAAACATTCATGTGGTATTAACTTA
GGGCAGATGTGTCAATATATTTCCAAGTTTAGCATAATATAGGTATAAAAATTAAATAAAAAGTTTATATG
TGTGTGTATATATGGGTTAATACACAACACATACCTCCTAGAGTCATTACCTGAGAGGTTCTACAAGAAAA
GACAGCAAATTAACAAAAAATACACCCAGAATCAAGATTTGAGTTTTGGTTCCTTTCATAGCAGAATGGTA
TGCAACATTTCTTGGAAAAATGGCTAATCCTAGGGCTTGGAAAGAGAATATAGGAGTAAAGTCTACAATTT
CTCATGGTACANN

Table3 3819

GCGTCCGGGCGGTTGGGGCGGAGCAGGGGGCTGGCGCGGGAAGCGGGGCTGTCTGGCTCGGTTAC
GCCCCCACCTCGCCAGGAATCTAGGAGTCGGTTTGTTTTCCGAACCCATCTCCTTCCGCTCTCCCGCCCCT
GCAGGCTGTGTGCCGAGCTTGGAAGAAAGTGTGACCCGTTCGACGGAACAAAGGACATGACAGCCCGGCCC
CGTGCGGCCACTGCGGAGCGTTAGGAACATTCCCTAAAATGGCGGCCGGCGCGTCGGAACAGGGCGGGAGG
CGGCGGCGCGTGGGGGCGGGACGGGGAGGGGCGCGGCCAGCCGGGCTTCTGCTTCCGCGACCCCGGCGGTG
CAGGGCGGGTGGAGTCGCGGAGTAGTCCTCATGGCCGCCCCGCCGGAGCCCGGTGAGCCCGAGGAGAGGAA
GTCCCTTAAGCTCCTAGGATTTTTAGATGTTGAAAATACTCCCTGCGCCCGGCATTCAATATTGTATGGTT
CATTAGGATCTGTTGTGGCTGGCTTTGGACATTTTTTGTTCACTAGTAGAATTAGAAGATCATGTGATGTT
GGAGTAGGAGGGTTTATCTTGGTGACTTTGGGATGCTGGTTTCATTGTAGGTATAATTATGCAAAGCAAAG
AATCCAGGAAAGAATTGCCAGAGAAGAAATTAAAAAGAAGATATTATATGAAGGTACCCACCTCGATCCTG
AAAGAAAACACAACGGCAGCAGCAGCAATTGAACAATCTTGAGCATAGAAGTCAATGTAAACGAAGTTAAG
ATCAACCACATAAAACATTTCATGTGCAATAAGCTCTCAATCAAGTAAATAAAGTTTAAGTTGTAGTCATT
TTTTTCCCACACTTGTGTGGAATGAAAACTTGCCAGTTTATTCTGGCCCTGTGTCTACTGCCAGGATAGCA
TTCTTACGTGTTACATATAGTGGACTTGTCATCCTTAAAATGTGAACAGAATTTATTGGCAGTGTGGCAAA
GAATTATAAAACATAGTGTTTAATGTACTTGGAGTTTCCTTGTAGTAGTAAGTATAGAGTTTGATGATAAG
TAAACGTCCCTTAACAAAAACCTCAACCTTATTACTATCCCATTAAAAAACAGCAAATACTTACTGAGTTC
TTGTAAGAGCTAATGTCATTGTAAGATTTAAAACTAAGGGCTTTTATCACTTTGCAAATTATTTTTTAAAT
GCATTCATCATTTGACAGTGTTCTCTCATTTCTTAAAATGCGAGTCATCTTCCAAAAGAGTTGTTTTTAAC
TGCCCTAAACATTTTTGGGGAAGTATGCAGGGTTTAAATTTTTAAGTATAATTAGTTCTGAATTAAAATAT
GCACATGGAACTTGTCTGGCAGACTGATGCAATAGTAAAACAACTGCAGAATTACTATTAATGTAAACAAT
CCATTTGAAAGTCAATCAGCTGCTCCCATTAAAATATTATTTAAAATACAATACCCACAGCATCTAACTAA
ATCCTCAGGATTTATTCTCCGGGAGAAATTATCCCTTTCTAGGAAAATGAAGTTATTTCTGGTTTTAATTC
ATACAATACTTTAAGAAAATCTGTTAAATATAACAAAACACAAGCTAGATGCTTAAGAAATGCTTAAAGAA
ATATTGGGGCGAAGGTAACAGCAGTCAACAGGATTGTGGCCATTACTGGTCCTATTATTTTGATGTACCAT
GGAAGGCACAGAAATCGAGCAAGGAAGAAAATATTAGTTATTTTGATCTACATCTTTTTCTAAAGAAAAGT
GGAGCTTGCCTCCAGTTCAATTCACAAGAGCATTTTCCCTCCCATGCCCACCTTTTCTTGTGGCTGTCGCT
AGGAAGGATGCAGAGGCTGTGTGGTTTACCAAATGCCTTAACTTAGCAGTGAATGACAACTGTCAAACACA
TGTTGAGGGAAAATTTTTACTGATTCACAAAAAGGAAGACAGTTTGCCCACTCTTAGTGGCACAAATCAAA
GCTGCATGCACTACATTATCCAAATTAGTCGTAACCAAATAGTTAAAAAATTCTGCTGGGCACGGTGGCTC
ATACCTGTAATCCCAGCACTTTGGGAGGCCGAGGCAGTTGGATCACCTGAGGTTAGGAGTTTGAGACCAGC
CTGGCCAACAGGGTGAAACCCTGTCTCGTCTAAAAATACAAAAATTAGCCGGGCGTGGTGGTGCATGCCTG
TAGTCCCAGGTACCCCACTATGCtaaAAATAAAGcagttGGAGTGatgaagtcgggccatg

Table3 3820

ACCATGGGTGGTTAGTAGACCCTCAGATTGATGACATTGTAAAAGCTGTTGGTAACTGCAGCTAC
AACCAACTAGTGGAGAAGATCATCTCTTGTAAACAGTCAGACAATAGTGAGCTGGTTAGTGAAGGCTTTGT

Table 6
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AGCTGAGCAGTTTCTAAATAACACAGCCACTCAACTGACATACCATGGATTATGTGAACTAACTTCAACGG
TTCAGGAAGGAGAACTTTGTGTGTTCTTTCGGAATAATCATTTTAGCACCATGACCAAATACAAGGGTCAA
CTGTATTTGTTGGTAACGGACCAGGGGTTTCTTACTGAAGAGAAAGTTGTTTGGGAAAGCCTACACAACGT
AGATGGTGATGGAAATTTCTGTGACTCAGAATTTCATCTTCGACCTCCTTCAGATCCTGAAACTGTATACA
AAGGACAACAAGATCAGATAGATCAGGATTATCTTATGGCATTATCTCTACAACAAGAACAGCAGAGCCAA
GAGATCAATTGGGAACAAATCCCGGAAGGAATCAGTGATTTGGAACTAGCAAAGAAACTCCAAGAGGAAGA
GGACAGACGGGCTTCTCAATACTATCAGGAACAGGAACAAGCAGCAGCTGCTGCTGCTGCTTCTACAC
AGGCTCAGCAGGGCCAGCCAGCACAAGCCTCTCCATCAAGTGGAAGACAATCTGGGAATAGTGAACGTAAA
CGGAAGGAACCACGAGAAAAAGATAAAGAAAAAGAAAAGGAAAAAAATAGCTGTGTTATTTTGTAACAAGT
GTTGGCTTCTGTTGGAACCACCTATATGTCTTGAGAAACAAAACCACAGGAGGAAAGGAAGAAAAACCGAT
CAATACCGTCTGTGCCTGATTTCCTAATGGATTTTGTTCGTTTTTTCAGGGGAACGGTTGTTACTTAGTTA
CAATCAGACTTTTTCAAGTCACACAATACACTCTTTATGAGCTGGAGTTTCATGTTACAAGTTGGAAATGC
TGTGTGTTGTCATTCATGAAAAATACTGCACTTGTAGCCAGATTAGCAAATCACAGCAAATTTTGTGTCAT
AGTGACATTCATAACTCATATCAGTTAGTAAGCTATTATATCTTCTGTTCTAACAATGAATGGAGGTAATT
GATTTAGTCTGATTCCTTCCTGAAATCTAAATATTAGCACAATAGTTTCTGAAATTTTACAATGTTAAATT
ATGATCTAATTCATGAGAAACCACGGGTTTAACATAGGGATTCAAAAAAACAAAAACAAAAGAATAGGAAT
AAATAACCCTTAATTGTATATTGGACTAGTTCAGCCCTTAAACAGCTTTACCTTTATTTAGGAATGTACAT
TTTAGGTATTATCTTGATCATGGAGCTTAGATTTAATTTAGATAGCAAAAATAAAGATTTGTATTTCTTTT
CCAATAGCAAAAAGTTACATAACACTAATACTTATAACCTATCAATATCAGATATTAATGACTTTGTAGTG
TTGTAAAATTTTGAGGAATTTTGGAGTCTTTATCATAGGTAACCTGGACCACAGTTACTATTTATTGACAA
TGTGATTGAGTGTATGGAGGAAAGCACAGTGGATGCTAGGCTTTGTAAATATGGGGATGTAGAAAAGCAGA
TAGTTCAGTGTCTACCTTTTTCTAGAACTACCTTGAACCTTAAATTTTAAGTCATGTTCATTGCTAGAAAA
TTAAATGTACTTATTAAAACCAATGAAAAAGCACATTTCTGAAATGAAGTTAGAGATAATCTCTGTGTCTT
ATAAAAAGACATTAATAAAAATCTGAAAGGGGCCGGGCGCCATTGGCTCACGCCTGTTATCCCCAACATTT
TCGGGGAAGCCCAAGGTGGGGCGGATCATCCTAAGGCCAGGAATTCCAAAAACAGCCCTGGGGCCTCCAGA
AACCCTGTCTCTCTAAAAATNCCAAAAATCAGCCTGGGCANNN

Table3 3821

NNGAGCTGTTCTAGCAAATTATTTGAACCTTAAGCGGGCAGTGTGTGGAGCCCCTTCGACTTTGT
AGCCAATTGGACAGAAGTGAGTTCTCCTTTTTTTTGGTGTGTGGGTGGGGTGGGGTGTGGGGGGGGTGGTG
GCTCGCCTTTTTTTCTTGTGGATCCTGACACTAACTCCGGGTAGTTAGTGTCACAATTGAATTGTAGATAC
TCAATTGGTGTCCGGAAGAATCAGAGAATTGGTTGATGGTGTTGGAAAACACCCTACCAATATAACACTTA
AGTTCATTTTTAGCATAATATCTGACTGGGTTTTCAGATGTTTTAATATTAGAGAAGAAATGGTGGTGTAA
GAGACAAAGAAATAACAATTATGCATAAAAGAATTTTATTTAGTGGCCAGATCCCAATGAATAATGTCAGT
CATTGCTTGGTTCTGCTAAAATGTGGTATTAGATATATTCTTAAGAAAGTGTACAATTGCATCACCAAAAG
CTGTTTAATTTGGATTGTGTAGAATAAAAGAAAACTACATAAGTCTTTGTTCTTTGATAAAAATTTTAAAA
TATAAAAATGAAAAAAAGAAACCCAAAAGCAGTATTCAAAACTAACAAATGTCACCTTGGACTATTTACAG
TAAGACGCCTTTTTGACAGGAGAATCTTGTTCTCAGCTTGTTCTTTTCCTCACATTTTACTTACAGGGATT
CTCACTCCCCCATCTGATCCCTATTCATAACTTCTTCCATTCCTGTCTCACATGAAACAGCCATCTTCCAT
GCTCTCTCACTCATCTTTGAGTCTCTCTCTGACACTCCTTTTTCCTACTCTTAAATTATTAATAATTCTAT
TCAACAGACATTTATTGAGCACCTAGTATGTGCCAGGCACTGTGTTAAGAGGTGGGGAACAATACAGAGAT
GAAAAGACATTGACCTTTTCCTCAAGAAATTCAGACTTTGGGTTGAATTAAAAAACGTTTTTCTTTTTTTC
TTTTTTTTTTGAGATGGAGTTTTTAGCTCTTTTTGCCCAGGCTGGAGTGCAATGGCGTGATCTCGTCTCAC
CGCAACCTGCCTCCCGGGTTCAAGTGATTCTCCTGCCTCCGCCTCCTGAGTAGCCGGGATTACAGGCATGC
GCCACCACACCAGGCTAATTTTGTATTTTTTTTAGTAGAGACGGGGTTTCTTCACATTGGTCAGGCTGGTC
CGAGCTCACCAACCNCAGGTGANCCGCCCGCCCAGCNNNNNNNNN

Table3 3822

ACGCGGGGACACTAGCCACACTTCAGGTGCCCAGTGTCCACACTGACTAGTGGTGACGGCGTTGG
ACAGTACAGATACAGAACATTTCTGTCATCACAGAAAGTTCCTTTGGACAGAGCCATGTTAAGTGATGTTA
TCACAGGATGGACAGAAACATTCCCGTTTGATTTATTTTTCAGACCCAGTTTGTGGAGAAAAATAATGATG
CTTTACATATGTCTCTTGAATCCTTAATATGTGAATCCAGAGATAAGTTTATACGGGAATTATTTGAATCA
TCCACAAATAACAacaAAGATACTAAACAAAAAGCAGGAAAACTTAGCTTCATCAGCGTGGGAAACAAGTT
TAAGACACAGTTAAATTTGCTTCTggATAAacttcgaag

Table3 3824

NATCTGCCTCATAGGCCACTCTTTCCTTTCCCTCTGCCCACCAAGTCCTCATATCTGCAGAGAAC
CCATTGATCACCTTGTGCCCTCTTTTGGGGCAGCCTGTTGAAACTGAAGCACAGTCTGACCACTCACGATA
AAGCAGATTTTTCTCTGCCTCTGCCACAAGGTTTCAGAGTAGTGTAGTCCAAGTAGAGGGTGGGGCACCCT
TTTCTCGCCGCAAGAAGCCCATTCCTATGGAAGTCTAGCAAAGCAATACGACTCAGCCCAGCACTCTCTGC
CCCAGGACTCATGGCTCTGCTGTGCCTTCCATCCTGGGCTCCCTTCTCTCCTGTGACCTTAAGAACTTTGT
CTGGTGGCTTTGCTGGAACATTGTCACTGTTTTCACTGTCATGCAGGGAGCCCAGCACTGTGGCCAGGATG
GCAGAGACTTCCTTGTCATCATGGAGAAGTGCCAGCAGGGGACTGGGAAAAGCACTCTACCCAGACCTCAC
CTCCCTTCCTCCTTTTGCCCATGAACAAGATGCAGTGGCCCTAGGGGTTCCACTAGTGTCTGCTTTCCTTT
ATTATTGCACTGTGTGAGGTTTTTTTGTAAATCCTTGTATTCCTATTTTTTTTAAAGAAAAAAAAAAAACC
TTAAGCTGCATTTGTTACTGAAATGATTAATGCACTGATGGGTCCTGAATTCACCTTGAGAAAGACCCAAA
GGCCAGTCAGGGGGTGGGGGGAACTCAGCTAAATAGACCTAGTTACTGCCCTGCTAGGCCATGCTGTACTG

Table 6
2634/3331

TGAGCCCCTCCTCACTCTCTACCAACCCTAAACCCTGAGGACAGGGGAGGAACCCACAGCTTCCTTCTCCT
GCCAGCTGCAGATGGTTTGCCTTGCCTTTCCACCCCCTAATTGTCAACCACAAAAATGAGAAATTCCTCTT
CTAGCTCAGCCTTGAGTCCATTGCCAAAAACGGCACAGCTATCTCCAAACACATCTGAGTTCATTTCAAAA
GTGACCAAGGGAATCTCCGCACAAAAGTGCAGATTGAGGAATTGTGATGGGTCATTCCCAAGAATCCCCCA
AGGGGCATCCCAAATCCCTGAGGAGTAACAGCTGCAAACCTGGTCAGTTCTCAGTGAGAGCCAGCTCACTT
ATAGCTTTGCTGCTAGAACCTGTTGTGGCTGCATTTCCTGGTGGCCAGTGACAACTGTGTAACCAGAATAG
CTGCATGGGCTGACCCTTTGGCCGGAACTTGGTCTCTTGGGCTCCCTCCTTGGCCACCCACCACCTCTCGC
ACAGCCCCCTCCTGGTTTTTACACCCAATGGTAGCTCCCTTGATTTTAAAAAAAACATTAGCCATTACACC
ACCAGGGACAAAAAATCCAACACCCCCAAAAAAAAACGCAAAAAAAACATTTGTGCGGGGGGCGGGCCCAA
AAAATTTTTAAACACCTCTTGTGGGGCCGCGCCCATGGTGCAACGGCCAAGGGGCCAAAGGACCCGGCGGA
AGGGGGGGTCCCCCAAAAAAGCGGGGCCCGGGCTGGAACCCNNNNNNNNNNN
Table3 3825
NNNNCGTGTTCACGTCCGTTTGGCGCCGGTTGGTATCACGGTTCCCAAGTGGTGCCCTCTTACGC
GCAGCCCTGTTGTTCGCGTGTGTTGGCAGGCCGCAGGCTCTGTTCTTGAGGTCCCGCGCGCGCCCGTTTGT
CATTGTGCGGTCCTGATCCGTGTTTGTGATGTGTCCCACTTGGCCTCCAGGGCTCGCCCCCCCTTGGGCGC
AATTTTCTTGAGTTTGGTGACACACCGGCCCTGTTCACCGGGTGCCACCCCGGTGTGTTGTTCTTCTTTTT
CTCGGACCGGGGTTCTTTTTCTGTGTCCACGGGCGTACCGCTTCACGTGTGTTGCAAATTCTCGGGTGCAC
TTGCAAACCTTGCCCCCCATGTGGTGTTCCCCCCTCTTTTTCTTGTCGTGTCTTCCTCCGCGGTTTCTGTG
TGGTCTATTTGTGTCCTCCTTCCCCCCTCCCGGGCTAATTTTGTTTTTTTTTTTGTTTTCGGTATTGTTTT
AGGTAGAGTACAGGGTTTCACCATGTTAGCCCAGGATGGTTCTCGATCTTCCTTGACCTCGTGATCCACCC
ACCTCGGCCTCCCAAAAGTGCTGAGATTACAGGCGTGACCCCCGCGTCCGGCCGATCTTCCCAATTTTTGA
AGCAAAGCCAGACACTGAATTTTAACACAAAATCAGCTGACTTTTAGACATTGTGAACTCCTAGCCTGCGG
CCAACCACTTCCAGGGTTGTCAGGGCTTCCACCCCACACTGACCCAGGGTGGCTTCATTCTGTAAGGGAGA
ACCTGCCAGAAGCACAACCTTATCTTCAGGGATGAGGCCCTCCAGGGATGCTACATGGGCCTTGCTCTGGG
CAACCGTCTCCAGGCCGGTCACTTCAAGAGTGTGCACCTCCCGGGCGCGCACGTAGGCGACNNN
Table3 3827
NCTAGGTACGAGGCTGGGTGGCCAAGAGATGGAATCCAAGTGAATAGTCAGTAACAAGCAAGGTG
GGCAAGGAGATGGAATCCAAGTGAATAGTCAGTTTCAGCAAGAATTTCCCAGCCTGCAGGCAGCTGGGGAT
CAGGAAAAAAAAGAAAAGGAAACAAATGATGACAACTATGGACCTGGACCCAGTTTACGTCCACCAAATGT
TGCTTGTTGGAGAGATGGTGGTAAGGCTGCTGGCTCACCTTCGTCATCTGATCAAGATGAAAAGCTCCCTG
GCCAGGATGAAAGCACAGCTGGAACATCAGAGCAAAATGATATCCTCAAAGTGGTGGAAAAGAGGATAGCT
TGTGGTCCTCCACAGGCTAAACTGAATGGACAGCAGGCTGCTCTCGCTTCCCAGTATAGAGCTATGATGCC
TCCTTATATGTTCCAACAGTATCCGAGGATGACATATCCTCCTCTACATGGTCCCATGAGATTCCCACCTT
CTTTATCTGAAACAAACAAAGGCCTTCGAGGAAGAGGCCCACCTCCTTCATGGGCCTCTGAGCCTGAACGC
CCATCCATTCTTAGTGCATCAGAACTGAAGGAGCTTGATAAATTTGATAACCTAGATGCTGAAGCTGATGA
AGGTTGGGCAGGTGCTCAGATGGAAGTAGATTATACAGAGCAACTGAATTTCAGTGATGATGATGAACAAG
GAAGTAACAGTCCTAAAGAGAATAACAGTGAGGATCAAGGTTCAAAAGCCTCTGAAAACAACGAAAACAAA
AAAGAAACAGATGAAGTTTCCAACACTAAATCATCTTCCCAAATACCTGCCCAACCATCAGTAGCAAAAGT
TCCCTATGGGAAAGGACCTTCATTTAATCAGGAACGTGGAACATCTTCACATCTGCCACCACCTCCAAAGT
TGCTTGCACAGCAGCATCCACCTCCAGATCGACAGGCAGTACCTGGAAGACCAGGCCCCTTTCCCTCCAAG
CAGCAAGTAGCTGATGAAGATGAAATATGGAAGCAAAGACGAAGACAACAATCAGAAATTTCTGCAGCAGT
AGAACGTGCTCGTAAACGGCGTGAAGAGGAAGAGCGAAGAATGGAAGAACAAAGGAAGGCAGCTTGTGCGG
AGAAACTGAAACGATTGGATGAGAAGCTTGGCATCCTGGAAAAACAACCATCTCCAGAGGAAATTAGGGAA
AGGGAGCGAGAAAAAGAACGGGAGCGTGAGAAAGAACTTGAAAAAGAACAAGAACAGGAGCGAGAGAAGGA
GAGGGAAAAAGACAGAGAGAGACAGCAGGAAAAGGAGAAAGAGCTGGAGAAGGAGCAGGAAAAACAAAGAG
AAATGGAGAAAGAAAGAAAGCAAGAAAAAGAAAAAGAACTAGAACGGCAGAAAGAAAAGGAAAAAGAACTA
CAAAAGATGAAAGAACAAGAAAAGGAATGTGAGCTGGAGAAGGAAAGGGAAAAATTAGAGGAGAAAATTGA
ACCCAGAGAACCTAATTTAGAGCCCANNNNNNNNNNN
Table3 3828
GCGTCCGGACTAGTTCCACGCGCCGACCCACGCGTCCGGCGGCTGGGCGCTGAGGATCAGCCGCT
TCCTGCCTGGATTCCACAGCTTCGCGCCGTGTACTGTCGCCCCATCCCTGCGCGCCCAGCCTGCCAAGCAG
CGTGCCCCGGTTGCAGGCGTCATGCAGCGGGCGCGACCCACGCTCTGGGCCGCTGCGCTGACTCTGCTGGT
GCTGCTCCGCGGGCCGCCGGTGGCGCGGGCTGGCGCGAGCTCGGCGGGCTTGGGTCCCGTGGTGCGCTGCG
AGCCGTGCGACGCGCGTGCACTGGCCCAGTGCGCGCCTCCGCCCGCCGTGTGCGCGGAGCTGGTGCGCGAG
CCGGGCTGCGGCTGCTGCCTGACGTGCGCACTGAGCGAGGGCCAGCCGTGCGGCATCTACACCGAGCGCTG
TGGCTCCGGCCTTCGCTGCCAGCCGTCGCCCGACGAGGCGCGACCGCTGCAGGCGCTGCTGGACGGCCGCG
GGCTCTGCGTCAACGCTAGTGCCGTCAGCCGCCTGCGCGCCTACCTGCTGCCAGCGCCGCCAGCTCCAGGA
AATGCTAGTGAGTCGGAGGAAGACCGCAGCGCCGGCAGTGTGGAGAGCCCGTCCGTCTCCAGCACGCACCG
GGTGTCTGATCCCAAGTTCCACCCCCTCCATTCAAAGATAATCATCATCAAGAAAGGGCATGCTAAAGACA
GCCAGCGCTACAAAGTTGACTACGAGTCTCAGAGCACAGATACCCAGAACTTCTCCTCCGAGTCCAAGCGG
GAGACAGAATATGGTCCCTGCCGTAGAGAAATGGAAGACACACTGAATCACCTGAAGTTCCTCAATGTGCT
GAGTCCCAGGGGTGTACACATTCCCAACTGTGACAAGAAGGGATTTTATAAGAAAAAGCAGTGTCGCCCTT
CCAAAGGCAGGAAGCGGGGCTTCTGCTGGTGTGTGGATAAGTATGGGCAGCCTCTCCCAGGCTACACCACC
AAGGGGAAGGAGGACGTGCACTGCTACAGCATGCAGAGCAAGTAGACGCCTGCCGCAAGGTTAATGTGGAG

Table 6
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CTCAAATATGCCTTATTTTGCACAAAAGACTGCCAAGGACATGACCAGCAGCTGGCTACAGCCTCGATTTA
TATTTCTGTTTGTGGTGAACTGATTTTTTTTAAACCAAAGTTTAGAAAGAGGTTTTTGAAATGCCTATGGT
TTCTTTGAATGGTAAACTTGAGCATCTTTTCACTTTCCAGTAGTCAGCAAAGAGCAGTTTGAATTTTCTTG
TCGCTTCCTATCAAAATATTCAGAGACTCGAGCACAGCACCCAGACTTCATGCGCCCGTGGAATGCTCACC
ACATGTTGGTCGAAGCGGCCACCATGAGATTTGTGACTAGGGGGGGTGCCAGACGGCGCCAAGACGAGAAA
CATTACCCCACACTCGGAAGGGCGGAGGATCAGACAAAGGCAACAGCGACAAGACAAAGCCTGTAGCAACG
GCTGTGATTAAAGAGGGACCACCAGACGTAAACGCAGGCGAGAAGACACACACAAAGACGAGGCTGCTGTG
CAATCACAGTAAGATCTAA

Table3 3829

CTAAAgacaaaagaaaggtGtcttcTATTcaaccaCAGAAAAATGTCAAATAATTTCTTCCCATC
CTCTCACTCATCACTGTGAAAGCAAATGCACACGACCtTGTTACCATATATGCAGGCAACTATGATTCTGA
TTTAGGTCCTAGCTTTACTTTCCTTTAGTACCTCAAAGCTGCAAGTCAGATTCTGATATTGAAAGATGGTA
AAATGGTGCAGAAGGGGACTTACACTGAGTTCCTAAAATCTGGTATAGATTTTGGCTCCCTTTTAAAGAAG
GATAATGAGGAAAGTGAACAACCTCCAGTTCCAGGAACTCCCACACTAAGGAATCGTACGCGGGGCGGTTC
CGGGCGTTACCATCGTCCGTGCGCACCGCCCGGCGTCCAGATTTGGCAATTCTTCGCTGAAGTCATCATGA
GCTTTTTCCAACTCCTGATGAAAAGGAAGGAACTCATTCCCTTGGTGGTGTTCATGACTGTGGCGGCGGGT
GGAGCCTCATCTTTCGCTGTGTATTCTCTTTGGAAAACCGATGTGATCCTTGATCGAAAAAAAAATCCAGA
ACCTTGGGAAACTGTGGACCCTACTGTACCTCAAAAGCTTATAACAATCAACCAACAATGGAAACCCATTG
AAGAGTTGCAAAATGTCCAAAGGGTGACCAAATGACGAGCCCTCGCCTCTTTCTTCTGAAGAGTACTCTAT
AAATCTAGTGGAAACATTTCTGCACAAACTAGATTCTGGACACCAggtGTGCGGAAATGCTTCTGCTACAT
TTTTAGGGTTGTCTACATTTTTGGGCTCTGGATAAGGAATTAAAGGAGTGCAGCAATAACTGCACTGTCTA
AAAGTTGTGCTTATTTTctgtgTAAATTTgatatgcTATGAAATTTGgtttaTGATCTATGAATGTTTTCT
TAAAATTTACAAAGCTtgggtAAATTAGattttctTTAAtAAaaTGccatttgtgcaaaaaaaacaaaaaa
aaaattttgggggggctggcagagaaggtttagacccttgtttgGGGGGGgcccacaataggtaatggacac
gtggacaagcgcggccaagaaaccggggcagcgaaggtcgggggttcctcccaataaaacgcgcgcgggac
ccagggtgtcgacacccaaggggtcggcgaccctgctcaaacaggtgcaggaggcatgaagccgcccgggga
ggggagaagatagaacagagagtgacagaagaagaagcacgacaagcgaaaaacacacgagaacacagaaa
cacactaagaacagacaagagcaaaccgcacacacagaaaacaga

Table3 3830

NNNNACCTACAAGAACGGAGGACAGGGGCGCACGATGGTCCCGGGGGGGAGCGGAAACAAAGGCAC
GCAAAACGGAAAAGCGTGTGTAGGGGAGCGGAAAAGGAAGTCACCACCGTGGCCTGCGACGGTGTTATGAT
GCTACAACTTCTGGAAAAAGTAATTGAATTGGAAAATTGGACAGAGGGGAAAGGCCTCATTGTCCGTGGGG
CAAAAAATACTTTCTCTTCAGGATCTGATCTGAATGCTGTGAAATCACTAGGAACTCCAGAGGATGGAATG
GCCGTATGCATGTTCATGCAAAACACCTTAACAAGATTTATGAGACTTCCTTTAATAAGTGTTGCGCTGGT
TCAAGGTTGGGCATTGGGTGGAGGAGCAGAATTTACTACAGCATGTGATTTCAGGTTAATGACTCCAGAGA
GTAAGATCAGATTCGTCCACAAAGAGATGGGCATAATACCAAGCTGGGGTGGCACCACCCGGCTAGTTGAA
ATAATCGGAAGTAGACAAGCTCTCAAAGTGTTGAGTGGGGCCCTTAAACTGGATTCAAAAAATGCTCTAAA
CATAGGAATGGTTGAAGAGGTCTTGCAGTCTTCAGATGAAACTAAATCTCTAGAAGAGGCACAAGAATGGC
TAAAGCAATTCATCCAAGGGCCACCGGAAGTAATTAGAGCTTTGAAAAAATCTGTTTGTTCAGGCAGAGAG
CTATATTTGGAGGAAGCATTACAGAACGAAAGAGATCTTTTAGGAACAGTTTGGGGTGGGCCTGCAAATTT
AGAGGCTATTGCTAAGAAAGGAAAATTTAATAAATAATTGGTTTTTCGTGTGGATGTACTCCAAGTAAAGC
TCCAGTGACTAATATGTATAAATGTTAAATGATATTAAATATGAACATCAGAATTACTTTGAAGGCTACTA
TTAATATGCAGACTTACTTTTAATCATTTGAATATCTGAACTCATTTACCTCATTTCTTGCCAATTACTCA
CTTGGGTATTTACTGCGTAATCTGGAACATTTAGCTAAAATATACACTTTTGGCTTAAAAATTATTGCTGT
CAATTCCAATAATAATTCTTAGCTTATAACCAAAGAGCAGTGTTTAAAAGGAGAGCTTCTATACAAAACCT
ATTCCTGGCGTTACTTTTCATACAATTTTTGTTCTGTTTTACCTGGAAATAATTTACCAAAATAACTGAGT
GTTGCTGCTAAAGAACAAAAGTGGGGAGGTATCAGGGAACAAGAAAACAAGAAAGGGTATGATCAATCATT
TTCTTCTGCTCCAAACAGCTGGAGTAAAATTCATGGGAAATGGCCCTTCATTTAAAAAAAGATGTACCTCA
CTACCCACTACAAATTTGGAACTTTGTTCTTTTCAATAATTAGTTTTCTATTGTAAATTACCTACTAAACA
GTGGTAGCCATGACATGGAAAGTCAACTGATTCTACAATTGGACATTCATTTGTGTGCCCTGGAATTTCCA
ACTAGTAATAAACAACTACTGTTGATGTAGTTTTAAACCACTTGAAGGGACTCATGAAGCATCCTGCAACA
TAAATTTGCATTTTTACATCAGAATATCTTTTCTCTGTGGAACAACACCTATACCTGTGTATAAACACTTT
TTTCACAGGGATAGGGTACACAATGTCGCCCCAAACGTGTCTCGTATCTCCGGCACCCTTTTCAAAGCGGT
ACCTCAAGCACTCGCGTCTCGTGTCCAATAGTACCCATCGCTGTGGTGACGAACACTCTANN

Table3 3831

AAATGAGGTAGAAGGATACCGAGCTCTAATGGGTCTATAAATAGAATGCAGTGTGATTTGTGAAA
ATACAGAAGCCTTATCTTGTTTTTAAAGATGAACTTTTATCTAAAGCTAGAATTGTTCTCCTTTATTAAAG
ACCTTCAGATGAGTGGGGCCCTTGGAAGGACTCAAGAATCCCATTGGCTTATCTCTCTTTGATTTAGGGGA
ACTGTGTCAATCTGACAGAAGCACTGTCGCTCTATGAAGAACAGCTGGGGCGCCTGTATTGTCCTGTGGAA
TTTCAAAGGAGATCGTCTGTGTCCCTTCATACTTGGAATTGTGGGTATTTTACACTGTTTGGAAGAAAGCT
AAACCCTGAAGATCAGTAGCCCCTAATCACATGTGCTGCATATAGCCTTCCTGACCTCCATATGCTGTACA
TGACATCAAAATGAGTCAGGCAATTGATGTGAATTCCTTAAAGTTTTCCTTTTTTTAATAATTATTTTTAA
TTTAAAAAAGCAAATGGAAAATGTATATTTGATGAGCTTAGGGTGTTTTTTTTTGAAAGTCAGCTGAAGGAT
GGTTAGACAGCACAGGAAGACTGTAAATGCATGACCCCCCCATTAGAATGTGATTTCGTCCTTTTTATTTC

Table 6
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TCTGTGGGCTTAGTGTAGTTGGGTTTGGTAGATCTTCAATTGGATATTGGAGGAGTGAACATCGTGTTTGC
TGGAGGGAAGATCTTGATGGTGTTTCTTTTCCCCAAAAATGGGATTAGATATTAAAATTGGGTGCAAAAAA
AAACAAAAAAGACAAAAACAAAATTGTGGGGGGGCTGGGACACCAGAAAAGTTTTAAAACAANNNNNNNNN
NNNNNNN
Table3 3832
ggAATTCGCCCTTGCACTGTGACAAGCTGCACGCTCTAGAGTCGACCCAGCAGGATCTGTGTGGC
AGACCCCTTCGAGGTCACAGTAATGCAGGACTTCTTCATCGACCTGCGGCTACCCTACTCTGTTGTTCGAA
ACGAGCAGGTGGAAATCCGAGCCGTTCTCTACAATTACCGGCAGAACCAAGAGCTCAAGGTGAGGGTGGAA
CTACTCCACAATCCAGCCTTCTGCAGCCTGGCCACCACCAAGAGGCGTCACCAGCAGACCGTAACCATCCC
CCCCAAGTCCTCGTTGTCCGTTCCATATGTCATCGTGCCGCTAAAGACCGGCCTGCAGGAAGTGGAAGTCA
AGGCTGCCGTCTACCATCATTTCATCAGTGACGGTGTCAGGAAGTCCCTGAAGGTCGTGCCGGAAGGAATC
AGAATGAACAAAACTGTGGCTGTTCGCACCCTGGATCCAGAACGCCTGGGCCGTGAAGGAGTGCAGAAAGA
GGACATCCCACCTGCAGACCTCAGTGACCAAGTCCCGGACACCGAGTCTGAGACCAGAATTCTCCTGCAAG
GGACCCCAGTGGCCCAGATGACAGAGGATGCCGTCGACGCGGAACGGCTGAAGCACCTCATTGTGACCCCC
TCGGGCTGCGGGGAACAGAACATGATCGGCATGACGCCCACGGTCATCGCTGTGCATTACCTGGATGAAAC
GGAGCAGTGGGAGAAGTTCGGCCTAGAGAAGCGGCAGGGGGCCTTGGAGCTCATCAAGAAGGGGTACACCC
AGCAGCTGGCCTTCAGACAACCCAGCTCTGCCTTTGCGGCCTTCGTGAAACGGGCACCCAGCACCTGGCTG
ACCGCCTACGTGGTCAAGGTCTTCTCTCTGGCTGTCAACCTCATCGCCATCGACTCCCAAGTCCTCTGCGG
GGCTGTTAAATGGCTGATCCTGGAGAAGCAGaAGCCCGACgGGGtCTtccaGGaggatgcgcCCGTGATAC
ACcaaGaaATGATTGGTGGATTACGGAACAACAACGAGAAAGACaTGGCCctCACGGCCTTTGTTCTCATC
TCGCTGCAGGAGGCTAAAGATATTTGCGAGGAGCAGGTCAACGCCACCTTCATGGTGTTCCAAGCCTTGGC
TCAATACCAAAAGGACGCCCCTGACCACCAGGAACTGAACCTTGATGTGTCCCTCCAACTGCCCAGCCGCA
GCTCCAAGATCACCCACCGTATCCACTGGGAATCTGCCAGCCTCCTGCGATCAGAAGAGACCAAGGAAAAT
GAGGGTTTCACAGTCACAGCTGAAGGAAAAGGCCAAGGCACCTTGTCGGTGGTGACAATGTACCATGCTAA
GGCCAAAGATCAACTCACCTGTAATAAATTCGACCTCAAGGTCACCATAAAACCAGCACCGGAAACAGAAA
AGAGGCCTCAGGATGCCAAGAACACTATGATCCTTGAGATCTGTACCAGGTACCGGGGAGACCAGGATGCC
ACTATGTCTATATTGGACATATCCATGATGACTGGCTTTGCTCCAGACACAGATGACCTGAAGCAGCTGGC
CAATGGTGTTGACAGATACATCTCCAAGTATGAGCTGGACAAAGCCTTCTCCGATAGGAACACCCTCATCA
TCTACCTGGACAAGGTCTCACACTCTGAGGATGACTGTCTAGCTTTCAAAGTTCACCAATACTTTAATGTA
GAGCTTATCCAGTCTGGAGCAGTCAAGGTCTACGCCTATTACAACCTGGAGGAAAGCTGTACCCGGTTCTA
CCATCCGGAAAAGGAGGATGGAAAGCTGAACAAGCTCTGCCGTGATGAACTGTGCCGCTGTGCTGAGGAGA
ATTGCTTCATACAAAAGTCGGATGACAAGGTCACCCTGGAAGAACGGCTGGACAAGGCCTGTGAGCCAGGA
GTGGACTATGTGTACAAGACCCGACTGGTCAAGGTTCAGCTGTCCAATGACTTTGACGAGTACATCATGGC
CATTGAGCAGACCATCAAGTCAGGCTCGGATGAGGTGCAGGTTGGACAGCAGCGCACGTTCATCAGCCCCA
TCAAGTGCAGAGAAGCCCTGAAGCTGGAGGAGAAGAAACACTACCTCATGTGGGGTCTCTCCTCCGATTTC
TGGGGAGAGAAGCCCAACCTCAGCTACATCATCGGGAAGGACACTTGGGTGGAGCACTGGCCCGAGGAGGA
CGAATGCCAAGACGAAGAGAACCAGAAACAATGCCAGGACCTCGGCGCCTTCACCGAGAGCATGGTTGTCT
TTGGGTGCCCCAACTGACCACACCCCCATTCCCCCACTCCAGATAAAGCTTCAGTTATAAAAAAAAAAAAA
AAAAAAAAAacgtcgaggttattgctcagtttcttatgtctttttgttcaccaccctgattaaaaaaaca
agggcggttccttctttattcttgaggcgggggaaatcccgcagtagccgagtgtgacacctcaaggggag
gagacacacactatgccccttgcccagggcgccaccacaaaaaaggggggcctacttgttctacccccaac
agaaaatccacgcgtggtgcaacaacacgctgtttttgtcaaacagagagacccccttaacaattcaggc
gggggtggcgcacaatctcacaaagccggcgaaccaacgacacaattacaccggcgcgacagtgccttgc
gcgaacgcggggacaccacagcatacaccaggcgagcacggcgggctcaacgtactgagccccacggggcg
gcaaagggtgccacaccccacggacaactagcggggacccacacctcccaggacaaaaccgtggggacaac
aaaggggctccaaaagcccgtatgtcccacaccccgctaacagggacaccagggcaaatgctgggaaacaa
acgctggacgcaccggacgc
Table3 3833
CGTGGGAAGGCAATCCAGAGCCCATATGACATTATGCAGGGTCAGGGATCCGGGTTCTTTCTATA
TTGTTCCTCCCCATTCTCAACCTGTAGCTATTTTTTTTTTTTTGGTAGAGATGAGGTCATTGCTATGTTG
CCCAGGCTGGCCTTGAAGTCCAGGGCTTAAGTGATCCTCCTGCCTTGGCCTCCCAAAGTGCTGGTGTTACA
GGTGTGAGCCACCACACCTGGCCAACATGTGGCTTTCAGTTCTTACTTGAAGACAGCTGCTCTAGCTAGAA
ACTTCCTATCGGCATCTGAGCCAGCTGGTAGAGGGCATTACCTCCCCCACCCCCAAGAACACTTCTTGGAA
GTTACACACAATACATAAACTTCAATTTCAAACAGTTGCTTGGTCCCACTAGCCATGAAGCTGGATGGGAC
GTAATATTCTATCTGGGTTGTCATGGGCCAAATTAACATTTTGAGATTCTGTTAGGAAGACGAGAATTGGA
TAATGGGCACCTCTAACAGTGTCTGTCAGAGTTGACATACATTGTGTATCTCCTGCACCAAAGCATTTTTG
AGATCAAGTGTTCTTCCAGCTGAGCAGAAATTTGGAAGGCTATTCAGTGCTGCTTAGTGTAGCAGCTAATA
ATGTTCCAACTTCTATATGATAGTTTGCTTTTTGTTTTTTGTTTTTTTCTAGAGACAGAGTCTCGTTGCCC
AGGCTGGTCTCCAATTCCTGGGTTCAAGCAATCCTCCTGACTCAGCCTCCTAAATGCTGGGATTACAGGCA
TGAACCACTGTGCCCAGTCTATATATAATAGATTTTAGAAGAAATTTCTGCCACTCAGTGACTGCTTTAAA
TTCTAGAGACAGAGGCTGAGAGAAACTTAGTAGCCTGCCTGCGCATACTGCAAGTACAGACTATATAACAA
GTTGAAAGAGAATCACCCTGGTATATAATATTTTAAAACATGAAAAAGGCATTACTATTGTTCTGGTCTAA
GTACTCTAACAGGACGATGATTTCTAACCCTAGCATCATGACATGTATATAGTGTGTTGTAAGACATTTGC
CAGCTAATAGTTACAGTACTGAAGCTTGTGAATACGTTAATTGAGAAAACTTTAAGCAGGTTCAAAGTTAT

Table 6
2637/3331

CCCATGATAGTGGCATTCTTATTTGTATATATGTGCTTTCCTTTTTTATTTGTATCAAGGCATTTAAAATG
AATATATGTAACATGTACCTAAGTTTTAAAAGCATAATAAAATGAACACATCTGAAACCACCCAAAATGCC
GAATTCTTGGCCTCGAGGGCCAAAT
Table3 3835
NNNNNCCGCCCGGGCAGGTACCCCAGCTGATGATGTTCCACAAAAGAGCAAAACATACACAATCT
GGTTCCACTCTACAGAAATCCTGGAACTGGACTACAAAGGGAATAGACAGGGTGTGGCAGGAGGGGGTTCC
TCACGGTTGGAGTGCGAGGTTAGGGACAGGAATAGAAGGTAGGTAATAAACATTCATGTGGTATTAACTTA
GGGCAGATGTGTCAATATATTTCCAAGTTTAGCATAATATAGGTATAAAAATTAAATAAAAAGTTTATATG
TGTGTGTATATATGGGTTAATACACAACACATACCTCCTAGAGTCATTACCTGAGAGGTTCTACAAGAAAA
GACAGCAAATTAACAAAAAATACACCCAGAATCAAGATTTGAGTTTTGGTTCCTTTCATAGCAGAATGGTA
TGCAACATTTCTTGGAAAAATGGCTAATCCTAGGGCTTGGAAAGAGAATATAGGAGTAAAGTCTACAATTT
CTCATGGTACANN
Table3 3836
NNNGCGTCCGCGGCTCGCGAGCTGAGAGGAGCAGGTAGAGGGGCAGAGGCGGGACTGTCGTCTGG
GGGAGCCGCCCAGGAGGCTCCTCAGGCCGACCCCAGACCCTGGCTGGCCAGGATGAAGTATCTCCGGCACC
GGCGGCCCAATGCCACCCTCATTCTGGCCATCGGCGCTTTCACCCTCCTCCTCTTCAGTCTGCTAGTGTCA
CCACCCACCTGCAAGGTCCAGGAGCAGCCACCGGCGATCCCCGAGGCCCTGGCCTGGCCCACTCCACCCAC
CCGCCCAGCCCCGGCCCCGTGCCATGCCAACACCTCTATGGTCACCCACCCGGACTTCGCCACGCAGCCGC
AGCACGTTCAGAACTTCCTCCTGTACAGACACTGCCGCCACTTTCCCCTGCTGCAGGACGTGCCCCCCTCT
AAGTGCGCGCAGCCGGTCTTCCTGCTGCTGGTGATCAAGTCCTCCCCTAGCAACTATGTGCGCCGCGAGCT
GCTGCGGCGCACGTGGGGCCGCGAGCGCAAGGTACGGGGTTTGCAGCTGCGCCTCCTCTTCCTGGTGGGCA
CAGCCTCCAACCCGCACGAGGCCCGCAAGGTCAACCGGCTGCTGGAGCTGGAGGCACAGACTCACGGAGAC
ATCCTGCAGTGGGACTTCCACGACTCCTTCTTCAACCTCACGCTCAAGCAGGTCCTGTTCTTACAGTGGCA
GGAGACAAGGTGCGCCAACGCCAGCTTCGTGCTCAACGGGGATGATGACGTCTTTGCACACACAGACAACA
TGGTCTTCTACCTGCAGGACCATGACCCTGGCCGCCACCTCTTCGTGGGGCAACTGATCCAAAACGTGGGC
CCCATCCGGGCTTTTTGGAGCAAGTACTATGTGCCAGAGGTGGTGACTCAGAATGAGCGGTACCCACCCTA
TTGTGGGGGTGGTGGCTTCTTGCTGTCCCGCTTCACGGCCGCTGCCCTGCGCCGTGCTGCCCATGTCTTGG
ACATCTTCCCCATTGATGATGTCTTCCTGGGTATGTGTCTGGAGCTTGAGGGACTGAAGCCTGCCTCCCAC
AGCGGCATCCGCACGTCTGGCGTGCGGGCTCCATCGCAACACCTGTCCTCCTTTGACCCCTGCTTCTACCG
AGACCTGCTGCTGGTGCACCGCTTCCTACCTTATGAGATGCTGCTCATGTGGGATGCGCTGAACCAGCCCA
ACCTCACCTGCGGCAATCAGACACAGATCTACTGAGTCAGCATCAGGGTCCCCAGCCTCTGGGCTCCTGTT
TCCATAGGAAGGGGCGACACCTTCCTCCCAGGAAGCTGAGACCTTTGTGGTCTGAGCATAAGGGAGTGCCA
GGGAAGGTTTGAGGTTTGATGAGTGAATATTCTGGCTGGCGAACTCCTACACATCCTTCAAAACCCACCTG
GTACTGTTCCAGCATCTTCCCTGGATGGCTGGAGGAACTCCAGAAAATATCCATCTTCTTTTTGTGGCTGC
TAATGGCAGAAGTGCCTGTGCTAGAGTTCCAACTGTGGATGCATCCGTCCCGTTTGAGTCAAAGTCTTACT
TCCCTGCTCTCACCTACTCACAGACGGGATGCTAAGCAGTGCACCTGCAGTGGTTTAATGGCAGATAAGCT
CCGTCTGCAGTTCCAGGCCAGCCAGAAACTCCTGTGTCCACATAGAGCTGACGTGAGAAATATCTTTCAGC
CCAGGAGAGAGGGGTCCTGATCTTAACCCTTTCCTGGGTCTCAGACAACTCAGAAGGTTGGGGGGATACCA
GAGAGGTGGTGGAATAGGACCGCCCCCTCCTTACTTGTGGGATCAAATGCTGTAATGGTGGAGGTGTGGGC
AGAGGAGGGAGGCAAGTGTCTTTGAAAGTTGTGAGAGCTCAGAGTTTCTGGGGTCCTCATTAGGAGCCCCC
ATCCCTGTGTTCCCCAAGAATTCAGAGAACAGCACTGGGGCTGGAATGATCTTTAATGGGCCCAAGGCCAA
CAGGCATATGCCTCACTACTGCCTGGAGAAGGGAGAGATTCAGGTCCTCCAGCAGCCTCCCTCACCCAGTA
TGTTTTACAGATTACGGGGGGACCGGGTGAGCCAGTGACCCCCTGCAGCCCCCAGCTTCAGGCCTCAGTGT
CTGCCAGTCAAGCTTCACAGGCATTGTGATGGGGCAGCCTTGGGGAATATAAAATTTTGTGAAGACTTGGA
GATCTTTTTTTTTTTTAAGCAAATTTACAAGTTTCAACAGACAAGTCCACATTCATCCCTAAAAGTCTCATT
TTCCAGTAGAAAATATACACTGGTAAAAACGGGGCATGGGGCCGTGGCTCAGGGCTGTAATTCTAGCACAT
TGGGAGACCAAAGTGGGAGGATCACTTGAGCCCAGGAGTTCTGGATCCTGTCTCTGCACAAAATAAAAAAT
TACTCANNNNNNNNNNNNN
Table3 3842
NNNNACTCCAAGCTCTGAGACCACCTCTTCTGCAAAGCCTTCCTGATTCTGCAAAGAACAGGTAG
GCATTTCATCCTTGGGACCTCACAGCAATTCAGGACACATTTGTGTCCCAGCCCTGCTTGGCTTGGCTGTC
TCCATGAATATACACTTTGCAACTTCTGCACCAGGCATCATACCAAGCACACAGTAGGCACTCCTGTGTTT
TTTGAATAAGTGACTATATCATCACCACATTTCAAATGCGGAATATATGAGCTACTAGAAAAGACATAAGG
GTAGATTTTACATCTTTATTGTATCCTAGATATACAAGTCTATTACTGCCTTTTCCCATGTTCTGTCAACA
TAGCATAAAGAATGTGGATTTACCTGTTAGAAATTGAATAAGCGGCCGCTCNN
Table3 3845
NNCTCTATGTGCCCTCTTATTATCTCATCGGCTCTTAAAGAGGGCCAATTGCTCTGGTGGTATCA
TAGCCCCCCCTTTTTTTTTTTGCCCCTCGAAAAGAAGTTATTAAATCAACACAAAAGTTGTGTTATTCGGC
TCCGCCTGGGTCTACACAGCGGAGCATTCCCAATGATGGGACGCCAATTTAAAACCCGCCCCGGTGACAGT
GAACCCACCCCTCCTCAACAGTTGAACAAGAACGCCTCCACTCAGCTTGACAATGCCCATGACCTGAGTGA
CTTGGCAGAGAGCTGGCTTCAGGCGAGTTCAGAAGGCTAGCTTCTTCATCAGGAGATAAACTCTGGGAGTC
CACCTCGAATCCATGCAGGTTGTTGGCATCCCCCTGCAGCCTCATGAGCAGGCCCCCATAGGACACGTACG
CAGAGCTGAAACCAGAAGGCCCCCATCCCGTGATTCTGGAGCACTGCCACTCAGCAGCTCTCAATCTCAGC
AGGCGTGTTGCTGCTTCCAGTAGAAGTTTCATCTCCCTCAATCCTGTACACTGTTTCCATACCATTACATA

Table 6
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CTCAAACTGGTCAGCCTGGAAGGCCTATCATCAGTGGGGTTGTATTCACCATCATCCAGGGTACCATCTTC
ATACAAGGTACTAGCTATGACCAACCGAAACTTGTCACCCAAGTCTACAGGGTAAATTTGAATGTTTACAT
CTAAGATTAGATCCATCTTGAAAGATTCACTCTCACAATGCAGTCGAGACACTCGGTCAAACTTCTTGCCC
TCCGGGTCAATATCCTTCACATCGAAAATATCCTCAAACAGGATGCCCGCCATCGCGAGGGGGCCACGAGA
GCAGCAGAAGGGGTGAGAGCGCGACCACAGTTGGGAGTACGTGCACCCCCTAGCGTGGACAAGACCGGAGA
GAACCAAACCTCAGTCACTGCAAGCTTTTGAGGCAGGCTGTTCTTTAAATTAGAAAGCCATCCCAAGGAAA
GT

Table3 3847

NTCGACATATGAACTCTCCCGCCACCCGGGAACAGTGGCTGCCACCGTTTGTGTTTTCCCGAGTT
TGAATTCTTGCAGGTGACCAAGATGGAGTTTTCTGGAAGAAAGTGGAGGAAGCTGAGGTTGGCAGGTGACC
AGAGGAATGCTTCCTACCCTCATTGCCTTCAGTTTTACTTGCAGCCACCTTCTGAAAACATATCTTTAATA
GAATTTGAAAACTTGGCTATTGATAGAGTTAAATTGTTAAAATCAGTTGAAAATCTTGGAGTGAGCTATGT
GAAAGGAACTGAACAATACCAGAGTAAGTTGGAGAGTGAGCTTCGGAAGCTCAAGTTTTCCTACAGAGAAA
ACTTAGAAGATGAATATGAACCACGAAGAAGAGATCATATTTCTCATTTTATTTTGCGGCTTGCTTATTGC
CAGTCTGAAGAACTTAGACGCTGGTTCATTCAACAAGAAATGGATCTCCTTCGATTTAGATTTAGTATTTT
ACCCAAGGATAAAATTCAGGATTTCTTAAAGGATAGCCAATTGCAGTTTGAGGCTATAAGTGATGAAGAGA
AGACTCTTCGAGAACAGGAGATTGTTGCCTCATCACCAAGTTTAAGTGGACTTAAGTTGGGGTTCGAGTCC
ATTTATAAGATCCCTTTTGCTGATGCTCTGGATTTGTTTCGAGGAAGGAAAGTCTATTTGGAAGATGGCTT
TGCTTACGTACCACTTAAGGACATTGTGGCAATCATCCTGAATGAATTTAGAGCCAAACTGTCCAAGGCTT
TGGCATTAACAGCCAGGTCCTTGCCTGCTGTGCAGTCTGATGAAAGACTTCAGCCTCTGCTCAATCACCTC
AGTCATTCCTACACTGGCCAAGATTACAGTACCCAGGGAAATGTTGGGAAGATTTCTTTAGATCAGATTGA
TTTGCTTTCTACCAAATCCTTCCCACCTTGCATGCGTCAGTTACATAAAGCCTTGCGGGAAAATCACCATC
TTCGTCATGGAGGCCGAATGCAGTATGGCCTATTTCTGAAGGGCATTGGTTTAACTTTGGAACAGGCATTG
CAGTTCTGGAAGCAAGAATTTATCAAAGGAAAGATGGATCCAGACAAGTTTGATAAAGGTTACTCTTACAA
CATCCGTCACAGCTTTGGAAAGGAAGGCAAGAGGACAGACTATACACCTTTCAGTTGCCTGAAGATTATTC
TGTCCAATCCACCAAGCCAAGGGGATTATCATGGGTGCCCATTCCGTCACAGTGATCCAGAGCTGCTGAAG
CAAAAGTTGCAGTCATACAAGATCTCTCCTGGAGGGATAAGCCAGATTTTGGATTTAGTAAAGGGGACACA
TTACCAGGTAGCCTGTCAAAAATACTTTGAGATGATACACAATGTGGATGATTGTGGCTTTTCTTTGAATC
ATCCTAATCAGTTCTTTTGTGAGAGCCAACGTATTCTAAATGGTGGTAAAGACATAAAGAAGGAACCTATC
CAACCAGAAACTCCTCAACCCAAACCAAGTGTCCAGAAAACCAAGGATGCATCATCTGCTCTGGCCTCTTT
AAATTCCTCTCTGGAAATGGATATGGAAGGACTAGAAGATTACTTTAGTGAAGATTCTTAGGCAGTTTTAT
AACCCTTTTTCCTCAATAGCCTGTTTCCTGTTTTTAAGATTTTGCCTTTGTTGTTGAAAAAGGGTTTCACT
CTGTCACCAAGGCTTAGTGCAGTGACACAATTACAGCTGATTGCAGCCTTGACCTTCCCAGCTCAAGTGAT
CCTCCTACCTCAGCCTCCCAAGTAGTTAGGACACACAGGTGTGCACCTCATATCCAGATAATTTTTTTCAA
TTTTTTTTTGTAGAGGTGGGGGGTCTCCCTATGTTGCCCAGGCAGATCTCAGACTCCTGGGCTCAAGCGAT
CCTCACACCTCAGCGTCCCAGAGTGCTGGGATTACAGTTGTGAGCCACTGTGCCTGGCCTTTTTTTTTTTT
TTAACCTTTTTGTTTAACTTCTCTCTTCACTGCATCCCAATCCATCTACAGGCATGCACACTTATTAGGAA
AGGAGGTTTGAGGTAACAACAGAGACTTTCACTATATTTTGCTTTGACAGAAGGAAAGAGGAGGAGTTTCT
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TTAAAGTCCCCCAGAAACTACAATAAAGAACAACTTTTGTTTTAACTCTTAATCACTTTGTAATTTTGACT
CAATCCTTTTCTGGACCATTTTTGTTAATAAATATCAAAGTGTAAAAAAAAAAAAAAAAAAAAAAANAAAAA
AAAAAAAAAANCTCGGGGGGGGGCCCGGTACCCANTTNGCCCTATNGTGNGTCGTATTACANTTCACTGGC
CGTNGTTTTACAACGTNGTGNCTGGGAAANCCCTGGGGTTACCCANCTTANTCGCCTTGCNGCACATTCCC
CCTTTTGGCCCAGCTNGGGGTAAATTGGCGGAAGNGGGCCCCCGNAACCCGGTTCGGGNCCCTTTNCCCCA
ANCAAGGTTTTNCGGNACGCCNNNNNNNNNNNNNNN

Table3 3848

NNNNCCAGTAGCTGGTACTAAAAGCGGGCACCACCATGCTTGGCTAATTTTCATATTTTTCATAG
AGACGGGGTTCCACCATGTGGCCTTGCTTGGTCTGAAAGTTCTGAGCTCAAGCAACCCACCTGCCTTAGCC
TCTCAACGTCCTGGAATGACAGCATGAGTTGCCACACCTGGCTGCATGCCGAATACTTTAGAGTTGTTTAT
GCCTGACACTTCCAGGGCATGCAGAACTATGGTGGCATTAACCGACACATTAACCAACTGCCTCACTTACT
TTTCTTTTGACTCAGTTTATAAATTTTCTTAATTTAAATTTTAATTTCAACATGTATACATCTTTGAAATA
AATAAAATAAGCTCTTTGAATGTTTGACATAACGTAGAAGAAATTGACAAATGGACATCTTTACTTCATTT
TCTGTCTCAAAATGTGGT

Table3 3849

ACTTAGCATGCTTTCAACAATAAATTCTCTGACAAACCCTAAGTGTAACTCAGAAAAAAGCTACA
CTAACTAAATGCAGATTGAATTAACATAATCTCCCATAATCAGAAGTTTCCTAAAGACTTTTCATTTTTCT
TTGTTAACATTTATGTCTATAATACCTATTGTCATTACTCCTAAGAAATCCAACTTTAAAATATAACAAGC
AAGTTTTTTGCAATGAAATTGGCAGAGTAAGAGTTTTATAACCAAAGGGATCTGTGTTTAAATTATGCACT
CTCTGCCACTTTGTATCTATGTGACTGTAAGAAACTCACTCCATCTCTAAGAGTCAGACAAACTCATAAAA
ATAGCTTATTTGGATTAGAAATGATACTTGTTTGGATTTCAAAGGACAGACACATATTGAAGCATTAGTAT
ATCCATTTCAAAAGTGACATTCAACACCAACATTTCGCAATAATAAAAACACAGCTTAATATGAGACTAAT
CATTAACACTATGAATTCTAATTCTGCAAAAAAGTTATAATTTAAAAAATTTCAAATTCAGCCGGGTGCAG
TGGCNNN

Table 6
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Table3 3850
ACAGATTTGATTATGATTTTAATGTTTGAAAGATTGCACTTGTTTGCTTTTACTATAGGGGGGGT
AAAATATATTTTCTGTTCACAGTATATGAAAATATGGAGTAATTTAAACAGTAAATAAACATTCTGTGGAT
GCTTATTTTTGTATTGGCAAAGTATCAATTAAACTATATGTGTTCTTTTTCAAAAATGCTGGATCCATTCA
TGATTGGTTCAAATATCTAATTATTTCCTCAACTTAAATTTGCTTTTTAAATTGCTTAATATGTAGGGGTA
GGTTACCAAATGATAGTTGGATAAGGAATCATTTAGTTATCAGAGCTTCAGAGGGTCATCTGCTTTCCACC
AAGGAAGTTTAAGCATTATGGTTCATTAGTGATTTTGCTTGAAGATTTTAAAAATGTACTTATTATTTATT
TAGCACTGGATTTATGTGCTACTGATATACCTCCATTAATAGAGGAATATTTCTTGGACAGAGATGTGTGN
TCTTTCCTTTTCTCTCTTCTTTTGCCCTTACTTAATCTTTTGACATTTCCCAGATAGACAANNN
Table3 3852
NNNGTGGTGTGTTGTGTGTGTCTCTTTTGTTGAACGGTTGTGCCCGTTCACCCGGCTGGAGTCCA
ATGGTGACCTGCGTCGCCTGACCCCCCCTCCTGGGTTCAGCGTGTTTCTCCTCCCTCAGCCTCCCGAGTAC
TGGGATTACATGGCACCCCTGCCACGCCCGGCTAATTTTTGTTGATTGTGTAATGTACGTGATTCTGTTAT
TTTTAGTAGAGACCGGGGTTTTCACTATGTTGGCCAGCTGGTCTTGACTCCTGACCTGTGATGCTGCCCTC
CTCAGCCTGCCAAAGTGCTAGGATTACAGGTGTGACCACCGCGCCTGGCCTAGACTAATTCTTAAAGGACA
GATTAGATACATACACAATTGAATTTAGTATGCTTTTGTAAGTTAATATAATGATTGGGACCATTTTGTTT
TCTTAGCTATGCTTTATAACAAAATAGTTCTAGTTACTTTCTTTTAAATGGTTACTAAAGTAATAACTTGC
TTTTTAAAAACATAGTATAACTATTTAAGGTAGACTATGAAGAGTAGGCTGAGGTTTCATTTTAAATTATC
TCCTCTTTCTGCCATGGAAGAGTTTAATTCCCCTGATGTGCTTATGGTATTGAAAGCCCATTGTTGGTGTT
GGTATTGAAAGAAAGCTTAGTTTTTCTGCGTTTCCTAAAAGGAGAGGGAAGAAAGATTTTTAAAAGTGGAA
ATCCCTTGATTTTTTTTTTTTCTTGATTAGGATTTGTATAATATATCTGAAGTGAGACTAGAGTTCTTAAA
GTTGAGAGAAACAGTAAATATGTACACN
Table3 3853
ACTAAAGTGTGTAATACATGTTCAACTTTTCATTTGATTAAAAGAAGTATTATTTAATACATTCT
TAGTAAAGAAAAATTTTTGGATTTTTTGTTCTAAAAATAAATTCCAAATTCTGGTTTTCTAAACCCAAATG
AAGAATGAATGACAATATTCATTTACTTTTTCTTTCATTCCCTTCATATCATATGTAAAAATTTGTCAGCA
AAGTGATATATTATGGAATTGCTGTCAGGAAACACAGGTGAATAAAGGTAATACACTTCCTTCTTTGTGGA
AACTTGAATTATTACAGAGAAAGAAATATAAAAGCTGTACCATCCACGTCACTGGGCACCTGGCCGAACAT
GGCCAGGTAGGGCTCGTAGATGACCGAACGGAATATCCACCTCCAGCGCTGCTCATTCTGCCTAAGGATCC
CTTGCCTGGCCACGCCAAAGGCCACCATCCACACCGCAAAGAGGAACAGGAAGAAGAACACATCGATCAGC
ATCCTCTGCAGCATTATAATCTTGGGTCCTAAGTTTCTGCTTACAGTAAAAATGTGGATCAATCTTAGAGT
GAAAATAATGTAGTCCAGACAGAAAATGACTCGTCCAGAATACAAAGAGCTTTTATTAGAAGAGTGGAGCC
GAAATACAATTCCTGCTATGAAGTAAAAAAGCCCCAGCGTGTCCATCACATTCCACAGGTCAGTAAAATAA
TTCACCCCATTTACGTACCTGCCCGGGCGGCCGCTCT
Table3 3854
NNCACTTGACCTGCAGAGGCGAGCTTGCTGTGAGCAAAGATTGGGCCNNTTNNNNNTNNNCCACT
GATACAGAGTAAGACCCTGCCTCAAACAACAAGTACAACAACAGCAACAACAAAAAACAAAACAAAGGAAA
CCAATTCTGGAAAGATTACAGAATACTAATTATTTTATGGCATGAGAATGTTTTCTATGAAAACTAGTGAT
TAACTCTTAAATGAGAAGATACAAGGTGACTTTCTTTTTCCCCTTTTCTCTGCATTTCCTAATTTTTCTAC
AATGAGCGTGTACTAACAAAATTTTAGTACAAGAAGCACTATATAGCTCAAGGACCCATTAACTCCAATCT
TGCTTTGCATAAATATGGCATTTCAGAAGTCAAGCATACAAAATACTTTCCTTAGAGAAATAAAAATATAT
GTAAAAGCCAGACAGGCCAACAGGGCGATCACATTCCTCAGAACCGCATTGTCCAATTCAATAACCATCAT
TCACATGTGGCAATTAAACACATGAAATGTGGCTTGTCCAAACTGAAATGTGCTGTAAATGTTAAATAGAC
ACTAGGTTTCAAAGATCTTGT
Table3 3862
CGACCCACGCGTCCGCAAGTGCTGGGATTACAGGCGTGAGCTACTGCACCCGGCCTGCTTTCTTT
TTAGTGAAAAGGATCTGTGGGAGCTTTTATTCCCATGGCTGCCTTCCTCAAGTCAACCTCTTTCCCCGGAA
ATGGCATCATCTCTGGACTGTTGTTTCTCCTTCTTCCTTCTCCTCCTTCTCCTCCTCCTCCACCA
TGCCCGGCTGATTTTTGTATTTTTAGTAGAGACAGGGTTTCACTATATGGGCCAGGCAGATCTCGAACTCC
AAACCTCGTGATCCACCTACCTTGGCCTCTGAAAGTGCTGGGATACCGTGGCCTCTGAAAGTGCTGGGATT
ACAGGCATGAGCCACCGCGCCCGGCCCCGTTGTTTCCCTTCTAAGAAACGCAGTGGTCTCTGAAGCCTGCA
GGGGCAGGCCAGCCCTGCACTGAACGCCTGTTCTTGCCAGGTGGCAGAAGGTTGCTGCTCATTTGAGCAGT
ACCTGTCACCCCTCCTCCCACTGCTGCGGCTGTTAACTCATCTTCAGGTCTCACACCTTCTGCACATAAAT
AAGCTATTTTTAAAAGTTATTATTTTTTTACTCTTTCTTTTCTTTGGAGAGGGTACCAAAGGATAGCTGTT
CTGTTTAAGTAGGGACCTCTCATGGCCTACAGGCTTTGACATCTGAGAATCAAACTGGAGAACATTCCGAA
GCCGTTCTTATAAGTGTCTCCATCTCTACCTGGGCTGAAATGGAATGTGCAAATGTAGCCCAGCCTGGTCC
TTGGGTGTTGCCAGTTGATTGATGACTGGGAGCCAAAGTGGCATCTCCTTTGACCTAAACGGGCGATGATG
AAATAAAACTCAACAGCCTTTCTCTCATCTTGCATTGTGAGATGCGAAATAGAGCGTGTCTCTCTGCCTCT
CATTTTAGGCTGAGGCCGTCCAAAGCGGCCATGCCCCATGTTTCCACTAGATGGCGCTGACACTTCAGGCA
TCAACCCTCATGGCCTCTCAGCCTTGCAAAGGCAGCCACTTAAAGTCGGTGTCCTGTGTGGGGCACCAAGC
TGAGCTGCAGACACCCAGTAGGCGCGAGGCAAATGCGTCCCATTTTAAGAGGCTTGTATTTATGAGCTCTT
TGCTTCCTCCCTCCCACTAACTTTAAAGAATTGCTCTCCATCTCCTTTGGCAAAGTTCCTTTGCCCTTTGT
CTTATTTTTGTGAAACCCTCCAAGGTATTTCCAGTCCATTTGCATCCAATCTGGCATCTTTACGGAGAGCG
GTCTCATATGCTATTGTTGTTAACGTGGACTAGTATTTATGTGTTGAGAACACTGGCTGTTTGTCAGGAAA

Table 6
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AGTGTGCCAAAACAAAGAGTACGGCCGGCCCTGGAAATGCATCAGCAAAACCCATTTCCCCCGTGCACTCA
TTCTGAGCTTCCTTCCTTCATTTCTGTCATTACTGCTGAGAACTGGACTGTGCCCAGCTGACCTTTCCCTT
CTTGGCCTCATCTTGGTGCGGCGGTCGGCAGGTGGCCGGCCGCCGTTGATTGGTTTATGGGGGGTCCAAAA
ACTCGCGTTGCGGGGCGGGGGACCCTTGTATTCTTGTCGGCCCGGTTGTTTCGAGGGTAAATCAAACGAGG
GGGTGGGGGCGCGCCCCCAGGCTGGGTGN

Table3 3863

NNNNNNNNNNNNNNNAAGCGGGAGGAACTCCGTCGTCCTCCCCCGCGCGCCTGCCCGCGGCTGGGG
AACCAAGGGCCTGGAGGGGAAACAGCTCCCTGCTGCGTTGTTTTGGGCTCCGTGAGCCGAAAGGGGGAGGG
GAGACGAAGGAGAAGCAAACACTGCGCAGCGGGACCGTGCGCGGCCTCCGCTCCTGCGTGCGTGCGCTCGC
TCGCGCGGGCTCATGTGCTGGCGCGTGAGGCGGAGGCGGGCGGCGGCGGCGGCGCCTGCGCGGTCGGACTC
GGTCGACGGTTCGCAGGGGAGGAGGCGGCGGGAGGCGGAGGAGGCGGCGGCGGCGATGGAGGTGAAGCGGC
TGAAAGTGACCGAGCTGCGGTCGGAGCTGCAGCGGCGGGGCCTGGACTCGCGCGGCCTCAAGGTGGATCTG
GCGCAGCGGCTGCAGGAGGCGCTGGACGCCGAGATGCTCGAGGACGAGGCCGGCGGCGGCGGGGCCGGGCC
CGGCGGGGCCTGCAAGGCGGAGCCTCGGCCTGTGGCCGCGTCGGGCGGCGGCCCGGGCGGGGACGAGGAGG
AGGACGAAGAGGAGGAGGAGGACGAGGAGGCGCTGCTTGAGGACGAGGACGAGGAGCCACCCCCTGCT
CAAGCCTTGGGTCAGGCCGCGCAGCCGCCGCCGGAGCCCCCGGAGGCGGCAGCCATGGAGGCCGCGGCCGA
GCCAGATGCTTCCGAGAAGCCGGCGGAGGCCACGGCCGGGTCAGGCGGGGTAAATGGTGGCGAAGAGCAGG
GCCTCGGCAAGAGGGAGGAAGACGAACCCGAGGAGCGGAGCGGGGACGAGACGCCGGGATCCGAGGTGCCG
GGTGACAAGGCCGCCGAGGAACAGGGAGATGACCAGGATAGTGAAAAGTCAAAACCAGCAGGCTCAGATGG
TGAGCGGCGGGGGGTAAAGAGACAGCGGGATGAGAAGGATGAACATGGCCGAGCTTACTATGAATTCCGAG
AGGAGGCTTACCACAGCCGCTCAAAGTCTCCACTGCCTCCTGAAGAAGAGGCAAAAGATGAGGAGGAGGAT
CAAACTCTTGTGAACCTGGACACGTATACCTCGGATCTGCATTTTCAAGTGAGCAAAGACCGCTATGGAGG
GCAGCCACTTTTCTCAGAGAAGTTCCCCACCCTTTGGTCTGGGGCAAGGAGTACTTACGGAGTGACAAAGG
GAAAAGTCTGCTTTGAGGCAAAGGTAACCCAGAATCTCCCAATGAAAGAAGGCTGCACAGAGGTCTCTCTC
CTTCGAGTTGGGTGGTCTGTTGATTTTTCCCGTCCACAGCTTGGTGAAGATGAATTCTCTTACGGTTTCGA
TGGACGAGGACTCAAGGCAGAAAATGGACAATTTGAGGAATTTGGCCAGACTTTTGGGGAGAATGATGTTA
TTGGCTGCTTTGCTAATTTTGAGACTGAAGAAGTAGAACTTTCCTTCTCCAAGAATGGAGAAGACCTAGGT
GTGGCATTCTGGATCAGCAAGGATTCCCTGGCAGACCGGGCCCTTCTACCCCATGTCCTCTGCAAAAATTG
TGTTGTAGAATTAAACTTCGGTCAGAAGGAGGAGCCCTTCTTCCCACCACCAGAAGAGTTTGTGTTCATTC
ATGCTGTGCCTGTTGAGGAGCGTGTACGCACTGCAGTCCCTCCCAAGACCATAGAGGAATGTGAGGTGATT
CTGATGGTGGGACTACCCGGATCTGGAAAGACCCAGTGGGCACTGAAATATGCAAAAGAAAACCCTGAGAA
AAGATACAATGTCCTGGGAGCTGAGACTGTGCTCAATCAAATGAGGATGAAGGGTCTCGAGGAGCCAGAGA
TGGACCCCAAAAGCCGAGACCTTTTAGTTCAGCAAGCCTCCCAGTGCCTTAGTAAGCTGGTCCAGATTGCT
TCCGGACAAAGAGGAACTTTATTCTTGAGTCGGGTCATGTGGTCACCTCTGGCCACGCGGGACTCTTGCGT
TCGAACTCTTTCGGAAGTGAGGGGGGTCCCCTGAGGATTGACAAAGGGTTCGAAGAGAGGGAGAGGCGTAC
ATTGGGGAGACCTTCGAGGANNN

Table3 3865

NNNNNNGACTTCCAGGCAACTAGGCTCGTGCCCAATTTAATCCAAGTGATGCATGTCCTTAGCCT
TAAAGGTTGAATCCGTAAACCCTATTAAACTGGTACCTTAGAAGAGTTGTAGTATCAGCAATTAGTGAGCA
GTGATAAAGGCTCACTCTTGAATCGGTTTTCCAGACAATTCTTGGTAAGGTTCTTCTAGCTTTGTCCCAGT
TATATGGTATTTTACGTATTCTCCTTTTGGCAATTAATCACAGTTTTGTATGTCTTTTTCTTTCTTTTTTA
GGTGAAAATATTCTATGCCAACTGTTTTCCACAGTCCTGCATTATATATTAAAACAAAGGCTGCCAGCTGG
AGACACAGCCCTCCGATTACAAAGGCCCAGAATGTTACTTTTAACTGTGCTCCACCAGGAGGTCTGGCCTT
GGGAAAAGATGGCGAAAGGAATATTCTCAGATATGAACATTTTTTATTCTGCCTACAATGCTGTGATCTAG
TTCAACAACTGCAGAACTGTTCTCATCTTAATCGCTGTAGTTTTTCTTTCTTTACTCTTTTGTATAAAAGG
TTAGTGTCACAGCTTCACTATCACTAATAAAAAGATACAAATATGCCTTTCAAGTCAGGGTTGGAAAAGCA
AAACTGAGGTGTGAGGTTACACTGGTCTAAGAAAGTACCAATTTGGGTTCTATATTTTGTCAAACAGTTGG
GTTTTTAAAAAAATTCAAAACTCATGCATGTTACCTACTTGTCATGTGTGAATTATTTCTCACAATTTTAA
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CAGAAAAGGATCCTCCTGTTTCTCATCAAATTTTTTTTCAGCTCGAACAATCCAAGATTGGGAATAGTAAG
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TAAAATTTCTATTGCTACAGACAAATGCTAAAAACCAGCTTTATAATAACAGCATTATAAAGGATAGAACT
TAATATAGAACCAGAAATATGGCAAGTTACCTAGTGATTAACATTGTAAAATAGTCAAAAACTTTAAAGCC
ACAGAGAAAGGAAAACAATTATGAAATGGAAAATATATAATATTTAAGTACTTTTATAATTCTAAAACTTC
ACTTTTGTCCTTAAATCAATATATTACGGATTTCATTGTTCAATAAATTACCATCTTTAACTAAAAATAAG
TAAATCAAAGAGCATATTTGGAGAAACTAAGAGCTGTTAACTGTTTGGAGGGTAAAAGAATACTTTTCTCG
AAATTTTTTTGAAGAAAAATCTAAAAGCCCTCTATGTTGAGTTAATACACCTTCTGACCCCCATCATCAGT
GGCATTATTCTTCCAAGGGACTCTTATATCTAAGCAATGGTGAAGTTCTGGATTCATTATGGATCTCATGG
CACCAAACCAACTGGCACTGAAGTTAAGTTAATATACTCCAGCGAGATCACCTGTGGGTCAAGGATGGCCC
AGAGAATCTTGGAAAATCCATTTATATTGAGCAAAGATCTGAATCACCTTCAATCAGGCTGTAAGATACTA
GAAAATTTGACCTTGTAGTAGTATTTCCCAGGGTAACTTAAGCAGCAACCTTGCACCAGAAGAAGAATTAA
AGAGGGAGCAATCTAGTATTATCAACAACAACAAAGTTAACCCTAAGTTAGTACATCCCAGAATCTGCTGG
ATGTATAATAATTTAGTAACGGGGTATATGGCAGAGCTTTCTTTGATGTTAACAAATTTTGGCTGTGATTC
TTAGTTACCAAGTTGCCAAAAAATGGTATATTAAATGAACTGCCAAATGGCAGATTAAGAAAATTAATGTA

Table 6
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CTCCAATGGTCTGTCCATGAAAGGAAAATGTACACAGACAAATTAAGAACATTTTACCAGGATCTGAGATT
TAAACAATGGAACAATTGTTTTAACTGTTAGAATGACCCCAACTGTTAAGTTTGTCTATGAGTGTATATGT
ATATATAAATTCATACACATATATTATTTATTTCCTTCTTAAAAAGACTGAGGCAGTTCTGCTATATATAG
TTAGCTACAATATTCAAGATAAAACAGTTCCTACTCAAAAAATTACATGAACACACGAGATAAGTTCTTAT
CGTAAATGCTATCATGAGGCTATCTAGTATAGCTCATATTTCCTGGTTGTAAGGCTCAAAACACAGGAATT
CCACTCCAAGAGATAATTTGCCCCTCAATCCCTACAAAGTGTAGTCTAAACAAACAAAATGGTAATAAAAA
ATTGAAAAGGAAGATATAAAAAGAACTCAATAGCAGGATTCTGACTACCTCTGGAGACCACACACTATCAT
TATTCTGACTGTCTTAAATACAACAATCCAATATGCCCCAAGATGGAAATCTGGTATCGTAGGGAAAACAT
TGGCTGCAACTGTCAGAAAAGTTCATAATCTTAAACATAATTTATGCCATTTGCCAGTCACAAAGACATTT
ACTGAACAGAATTTTTGAGCCATTTGTAAAATTAAAATGATTGATCAATTTGAATAGCAACCTTCATGATG
AAGAAATTAGGACTCTAGGTATGAAAAGCATGTTCCTTTTTTGTTAATAAGTTCAAAGGAGAGAAACATTC
TGATATATGCAGATAAAAATATGGCTAGGCTGGGCGCGGTGGCTCATGCCTGTAATCCCAGCACTTTGGGA
AGCCGAGGTGGACAGATCACGAGGTCAGGAGATCGAGACCATCCTGGCCAACACGGTGAAACCCCGTCTCT
ACTAAAAATACAAAAAATTAGCCGAGTGTGGTGGTGGGCGCCTGTAGTCCCAGCTACTTGGGAGGCTGAGG
CAGAAGCATGGCGTGAACCCGGGAGGCGGAGCTTGCAGTGAACCAAGATCGCACCACTGCACTCCAGGTTC
GGACGCGTGGGTCGA
Table3 3868
NNNNNNNACTTTCGAAATACTTCTAGAATTAATTAACGCGGGGGTTGCCTCTGATCCTTTTGTTA
TTTGGGGCATGGAAAGTTTGGGTTTTCCTTTTGATTCAGTTCCAGGAAGGCAGCATTAATCACCCTTAGGT
TTCTTGCCTCCATACCCTGTTCTCATACCTCATTTCCCCCCGAAAGACATGATCCTCATAAATCTTTATGG
GAGGTAAAGGGATTGATAGTCTTTCTTCTGTAACTGCTTTATGCTGACCTGAGGCACAGTCCCTACGT
Table3 3871
taTAGGGAGTCGACCCACGCGTCCGCTGACCTTCAGCGCCTCGGCTCCAGCGCCATGGCGCCCTC
CAGGAAGTTCTTCGTTGGGGGAAACTGGAAGATGAACGGGCGGAAGCAGAGTCTGGGGGAGCTCATCGGCA
CTCTGAACGCGGCCAAGGTGCCGGCCGACACCGAGGTGGTTTGTGCTCCCCCTACTGCCTATATCGACTTC
GCCCGGCAGAAGCTAGATCCCAAGATTGCTGTGGCTGCGCAGAACTGCTACAAAGTGACTAATGGGGCTTT
TACTGGGGAGATCAGCCCTGGCATGATCAAAGACTGCGGAGCCACGTGGGTGGTCCTGGGGCACTCAGAGA
GAAGGCATGTCTTTGGGGAGTCAGATGAGGTTAGTAGCCAAGAGAGAAGATAAGGGATGTCTTTTTCCAAG
AAGGATGTCTCACCAAGTCTGTTTCTCAACAGCTGATTGGGCAGAAAGTGGCCCATGCTCTGGCAGAGGGA
CTCGGAGTAATCGCCTGCATTGGGGAGAAGCTAGATGAAAGGGAAGCTGGCATCACTGAGAAGGTTGTTTT
CGAGCAGACAAAGGTCATCGCAGATAACGTGAAGGACTGGAGCAAGGTCGTCCTGGCCTATGAGCCTGTGT
GGGCCATTGGTACTGGCAAGACTGCAACACCCCAACAGGCCCAGGAAGTACACGAGAAGCTCCGAGGATGG
CTGAAGTCCAACGTCTCTGATGCGGTGGCTCAGAGCACCCGTATCATTTATGGAGGCTCTGTGACTGGGGC
AACCTGCAAGGAGCTGGCCAGCCAGCCTGATGTGGATGGCTTCCTTGTGGGTGGTGCTTCCCTCAAGCCCG
AATTCGTGGACATCATCAATGCCAAACAATGAGCCCCATCCATCTTCCCTACCCTTCCTGCCAAGCCAGGG
ACTAAGCAGCCCAGAAGCCCAGTAACTGCCCTTTCCCTGCATATGCTTCTGATGGTGTCATCTGCTCCTTC
CTGTGGCCTCATCCAAACTGTATCTTCCTTTACTGTTTATATCTTCACCCTGTAATGGTTGGGACCAGGCC
AATCCCTTCTCCACTTACTATAATGGTTGGAACTAAACGTCACCAAGGTGGCTTCTCCTTGGCTGAGAGAT
GGAAGGCGTGGTGGGATTTGCTCCTGGGTTCCCTAGggcCCTAGTGAGGGCAGAAGAGAAACCATCCTCTC
CCTTCTTACACCGTGAGGCCAAGATCCCCTCAGAAGGCAGGAGTGCTGCCCTCTCCCATGGTGCCCGTGCC
TCTGTGCTGTGTATGTGAACCACCCATGTGAGGGAATAAACCTGGCACTAGGaacaacaAAAAAAaaacag
agagacacaaaccaaagcaAACacacccaggaggccaaaacgcgggcgcgcgaaaaagggaccagaagcag
acacaggggcaacggagtatctagcgacaacttcgtcacaaagtgcgcaaaccggaggccccaaatagaga
gccaaaacagaaacacaggccagtagacaagaccagaggacacaaaaacgaagaaggagagagggacagag
agcacgacgaaagccgaagacggaacagaagcagactcacagaagcgaggaaggaaagagcaagacgaacg
ccggaggcagccgcaaacggacagaaaaacagaccagaagaggggccacaaggagagagagagaacaacac
aacaacagaagaagaacgaacaaacgaagacaaaagaagacgaagcaaggagaaaaccgacgcgcagccgg
a
Table3 3872
GCGTCCGGCCTAGTGCGCCTGCGACCACACGGCCGGGGCGCTAGCGTTCGCCTTCAGCCACCATG
GGGAATGGGATGAACAAGATCCTGCCCGGCCTGTACATCGGCAACTTCAAAGATGCCAGAGACGCGGAACA
ATTGAGCAAGAACAAGGTGACACATATTCTGTCTGTCCACGATAGTGCCAGGCCTATGTTGGAGGGAGTTA
AATACCTGTGCATCCCAGCAGCGGATTCACCATCTCAAAACCTGACAAGACATTTCAAAGAAAGTATTAAA
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CTGGGAGATCCTGTGCCAACCCCAACGTGGGCTTCCAGAGACAGCTCCAGGAGTTTGAGAAGCATGAGGTC
CATCAGTATCGGCAGTGGCTGAAGGAAGAATATGGAGAGAGCCCTTTGCAGGATGCAGAAGAAGCCAAAAA
CATTCTGGCCGCTCCAGGAATTCTGAAGTTCTGGGCCTTTCTCAGAAGACTGTAATGTACCTGAAGTTTCT
GAAATATTGCAAACCCACAGAGTTTAGGCTGGTGCTGCCAAAAAGAAAAGCAACATAGAGTTTAAGTATCC
AGTAGTGATTTGTAAACTTGTTTTTCATTTGAAGCTGAATATATACGTAGTCATGTTTATGTTGAGAACTA
AGGATATTCTTTAGCAAGAGAAAATATTTTCCCCTTATCCCCACTGCTGTGGAGGTTTCTGTACCTCGCTT
GGATGCCTGTAAGGATCCCGGGAGCCTTGCCGCACTGCCTTGTGGGTGGCTTGGCGCTCGTGATTGCTTCC
TGTGAACGCCTCCCAAGGACGAGCCCAGTGTAGTTGTGTGGCGTGAACTCTGCCCGTGTGTTCTCAAATTC
CCCAGCTTGGGAAATAGCCCTTGGTGTGGGTTTTATCTCTGGTTTGTGTTCTCCGTGGTGGAATTGACCGA

Table 6
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AAGCTCTATGTTTTCGTTAATAAAGGGCAACTTAGCCAAGTGAAAACGCAGCAACAACACACACACAACAA
AAACGCACAAAAGAAAAAAAAAANNNNNNNNN
Table3 3873
NAATCANTNTNACTAAAAAATTTTATTGAACTGGTCAATTTTCTTTGCCAATATTACTGTATTCT
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ACGAATAGGAGACAATTCAAATAATGGCGACCTGTTATTCTCATCTAGTTAAGTACTATTATTTTCTAACA
GGAATTTGCTATTTCAAATATATTATCTGAGATGTCTATATATTTATATTTTGAGATACTATACAAATTTG
AGCCAATGACATAGAATTTTACAAATCAAGAAGCTTATTCTGGGGCCATTTCTTTTGACGTTTTCTCTAAA
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GAAATATTAGCTACAGGGGAAGCTAAATAAATTAAACATGGAATAAAGATTTGTCCTTAAATATAATCTAC
AAGAAGACTTTGATATTTGTTTTTCACAAGTGAAGCATTCTTATAAAGTGTCATAACCTTTTTGGGGAAAC
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TGACTCCACAGTGAGAATCATTACTCTGAAAAATGTCGACGCGGCCGCGAATTTAGTGGTAGTAGGCGGCC
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NN
Table3 3876
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TGATTTCAGGCTGCATCAGTCCTGTGCCTGGAAGAGATAAAAAGAAAACTCAAAAAAAAAAAAAAAAAAGT
Table3 3877
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GAATAATGTCCCCCCAAAATTCGTGTATACCCTGAACATTAGAATGTGATCTTACTTGGTATTACTTGGTA
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CCATGTGAAGACACAAGCATAAATTGAAGTGACACAGCTACAAGCCAAGGAATGCCAAAAATTGCTGGTAA
CCACCAAAAGTAGGAAGAGGCAAAGGGGAGTTTTTTTCCAGAGACCTTGGCGGGAGCATGGCCATGCCAAC
AACTTGATATCAGACTTGTAATCCCTACATCTATGGCAGAATAAATTTGTGTTATTTTAAGCCACTAAGTA
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AAGAAGCTCACTTTGATGCNNNN
Table3 3881
ACAGAGAATAACATAATGACAGGAAGGGGCTGGTTATATTTCTCAGAGACCAAAAATCTTTTACA
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CAACTGTGAAACCTCCAAAACAGGAACTTCTTTATAACAAGAACATTCTAAAAAAGGGTCAGTATATGCTT
GACTGGGCCTTAAACCCATGGTTTTTCTAGAACACCAATGTTTAAATACTTGGCGTTTTTGCGGTGAAAAG
CGTTGTTCGTATTTGGAATACTGACTACAGGGGAAGGGAAATGTGCCTGTAAAAGCCTCCACTTTTGTGTT
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Table3 3882
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AATGATATCACTGTAAAACCGTTCCATTTTGATTCTGAGGTTACTCTACTAACAAGCATCACACATTTGTA
TTTTGCCCTGATTAATATGTTGGCTTCGCTTTCAGGGTTTTTAATGACCACAACAAGCAAGCATGCAGCTT
ACTGCTTGAAAGGTGAGGATTGGAAATGTTGGGACTATTATAATTGCAGAATACATGATGATCTCAATCCA
ACTTGAACTCTCTCACTGATTACTTGATGACAATAAAATATCTGATATTCTGCATTCCCATGTAGCATTTT
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AGAGTGCAGTGGCCTTTGAAGCTTACTACAGCCTCAAACTTCTGGGCTCAAGTGATCCTCAGCCTCCCAGT
GGTCTTTGTAGACTGCCTGATGGAGTCTCATGGCACAAGAAGATTAAAACAGTGTCTCCAATTTTAATAAA
TTTTTGCAATCCAAAAAAAAAAAAAAAAAAAACGAAGGCGGCCGCAAGCTTATTCCCTTTTATGAGGGTTA
ATTTTAGCNNNNNN

Table 6
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Table3 3883
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNGAGACATGTACTCTTTCTGTCACCCATATTG
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ATGAGACCTGGAGATCCTATGAATTCAGCCTGCGTTGTAATTCAGCAACCTGCAGGATTTGGTTTTATGTC
TGATTTCAGGCTGCATCAGTCCTGTGCCTGGAAGAGATAAAAAGAAAACTCAAAAAAAAAAAAAAAAAAGT
Table3 3888
NGAGATGAGAGCTCACCATGTTGACCAGGCTGGTCTGAAACTCCTGTCCTGAAACAATTCTCCTA
CCTCAGCATCCCAAAGTGCTAGGATTAGAGGTGTGAGCCAACACACTCAGCCTAAGGATATGATATATGAA
ATTAATCCCTGAGACATATCAGTGAGGTTCTGATTAAAACAAGTAGAGAGTCATCTTCATTTTCAAGATGT
ATTATATTTTAGCAGTGTCCTTTTCTTGAAGTTCAAATTAACATTCATATTTGTATAGCTGACCTCTGCAA
ACATGGCAGACATGAGGATTTAATATGACTTTCTCTCAATTTCAGTTTATGTTCAGTTTTGGAATTGCAAG
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GGTTGGTAGTATTTTAAATCTGAAGCATTTTCAGAGTCTAAGGCAATTCAGACTGCACAGCTGTCAACTCA
GGAGTCCCATTAAACTGACTCTAAAAATTCCTAAAAGAAGGCATGATTTATTATAAGCAAATGGCTAACCT
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CACTAGAAGATACAATTGTTATTGTAAAACAAACACTAATGAGTCCGTCAAATAATTTTAAAAGAAAAT
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GGAGGCAATCCAGAAACTAAAAGGAATCAGAAATTTGCAAAAATATGTTTGCGATACACTATCCAACACTT
GTACTGACAACATTAGTGTAGATATTTCAACATATGTTAATTTTAAGGAGTAAGTTCGGCAGATGGGCTTC
TAAATTATCAAATTTCAATTAAGACGGACGC
Table3 3890
NNAGTGTTAAGCATCTAAACGTTAGAGTCCCAGAGGAAGGAGGAGTCCCGGACAGGAATCATAGC
GTTGGTGTCACTGTTTTTCATCTAAATGAAAAATAAAAACAAGTCATACATGAACCCTGGGGAAGTAGATA
TTATAATTATTTTAGAAATGAATAAATTAAAATTTAATATACATAAAAGTCACAGGGGACCTTTTAAAATT
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AGTTGATTGTTGAGACGTGGTCCCAAGGTCACTCTCTGATTACTTAGGCTTGGCAATGCTTTTCAAGATTT
GAGGCATATGGCATCTCAAAAAGATCACCTTACGGCTGGGCACTGTGGCTCATGCCTGTAATCCCAGTACT
ATGGGAGGCTGATGCGGATGGATCATCTGAGGTCAGGAGTTCAAGACCAACATGGTCAAACCCCATCTTTA
CNNNNNNNNNNNNNNN
Table3 3891
NATGTAACACATAACATAAAAAATATATTAATCCACTGTTACCAGTAAGGAGTCTGGTGAATAAC
AGTTAAGTTTTGGGGAGTAAAAACTGTTTCAATTTTTGACTGTGTTGGGGGTTGGTGCTCCTAATCCCTGT
GTTGTTAAAGGGTCGACTATATTGTATTTTTGAAAATTGCTAGAGAGTGGACGTAAAGTGTTCTCACTAAA
CAAATTATAACTATGTGAGGTAGTGCATATATTAAGTAGCTAGATTTGGTCATTCCACAATGTATATGTAC
TTCAAAACATCATGTTGTACATGAGAAACACAGTTTTATCTGTTAGTCAGTTTTAAAAATAAAAAATATTC
CAACTAGAAACTCTGTTGTAGTTTTTGAAATTACAACTTGGAGGCTTTGAGGAACTGATTAGAAGTCTCCT
TTCTGTTTCAGGCTTTCATATCCAAACCATAGATCTTTAGAAGTAACATCTGTTAATTAATTATTAATAAA
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TCATGGCCGGGCACAGTAGCTCACGCCTGTATTCCCAGCAGTTTGGGAGGCCGAGGCAGGCAGATCACTTG
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GCAGACTCATGTAGAAAACCAGTCTGCTAATTGCTTGAAAAGTTGCAATGAGCAAATAGAAGAAAGTGAGA
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CCTGTGCTAGTTGGTGAGGAAGGGGAAGTTAAAAAACTCGAGAATACAGGTATAGAGGCTAATGTTTTGTG
TTTGGAAAGTGAGATTTCTGAAAATATTCTTGAAAAAGGAGGTGATCCATTGGAAAAGCAAGACCAGATAT
CTGGACTTTCACAATCAGAGGTAAAGACAGATGTATGTACAGTTCATCTTCCAAATGATTTTCCTACATGT

Table 6
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TTAACATCTGAAAGCAAAGTGTACCAACCTGTATCTTGTCCCCTAAGTGACTTATCTGAGAATGTAGAGTC
AGTGGTTAATGAAGAAAAAATAACAGAGAGTTCCCTAGTAGAAATTACTGAACATAAAGATTTTACACTAA
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ATGTGATACTTTTGGGAATGAAGATTTCAATAATATTCAAGACTCTGAAAATAACTTACTAAAAAATAATC
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GAGTTGCCTAAAACACACATTGAACAGATTCAGAAGCATTTTAGTGAGGACAACAATGAAATGATACCTAT
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AAGATCTAGATTTCATTCTCCATCTACAACTTGGTCACCCAACAAAGACACTCCACAAGAAAAGAAGCGGC
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GAGTCAGCCAGAGGCCGGAAAAAATCCCGTTCTCAGTCCCCAAAAAAGGATATTGCAAGAGAAAGGAGGCA
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GGAAATGATCGGTACAGAAAGAATGACCCAGAGAAACAGAATGAAAATACAAGAAAAGAAAAAAATGACAT
CCATCTAGATGCTGATGATCCAAATTCTGCTGACAAACATAGAAATGACTGTCCCAATTGGATAACAGAAA
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CAGAGGCAACCGTGGCAGAGGCACTTACAGAAGTAGTTTTGCCTATAAAGATCAGAATGAAAATCGGTGGC
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ATCCAGCTGGGCCGTGAGAAAGACTTTGCCAGCAGATGTACAAAACTACTACTCACGACGAGGCAGAAATT
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CAAACAAACCAGCAAGTTGATGGTTCTCAGCTACCTATAAATATGATGCAACCGCAAATGAATGTAATGCA
GCAACAAATGAATGCACAACACCAGCCTATGAATATCTTCCCATATCCAGTGGGTGTTCATGCTCCTTTGA
TGAACATCCAACGCAATCCATTTAACATTCATCCTCAGCTACCCTTGCATCTCCACACAGGAGTGCCCCTC
ATGCAGGTAGCCACTCCTACCAGTGTATCTCAGGGACTACCACCACCACCACCCCCTCCCCCACCATCCCA
ACAAGTCAACTACATTGCTTCACAACCAGATGGAAAGCAATTGCAGGGTATTCCTAGTTCTTCTCATGTAA
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CAAAGTAAGTGTTGCAGTGGAAGCCAGCGCAGATAGCTCGAAGACAGACAAGAAATTGCAAATTCAAGAAA
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TAAACTATTTAGCCAGAGCAATACTCTGTAGAACTGTGCTTTTCTAAAGTAAAGATTATCTGTTTCTCAAT
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Table 6
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GATTGTGCTAGTTCATAAGCTTTGTTGTTATGAGTGTAATCATAAAAATATTTCCAAGCAGTTTTTGACCT
TTATTCTACATTTCTGGGCATTTGTAATATGGTATTCTACTGGTATATATTTTTAAAGTTTGCGTTTAGAT
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ACCTCCTTAGTTGTTTTAGATTAGAACTCTAGAAACAATTTTGTGAACATTGAAAGTATTT
Table3 3892
ACGCGGGCTACAAGCATAAGGCATCATGCCTGGCTAATTTTTTTACATGTTTTTTTTTTGTCGAG
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CCTAAAGTGCTAGGATTATATGCATGATACACCATGCCTATTGTAGAGTATTACATTATTTTCAAAGTCTT
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GAGAGTAAAGAATATATGTTTGTGACTCATGGTGGCTTTTACTTTGTTCTTGCATTTTCTGAGTACCTGCC
CNNNNN
Table3 3895
CGACCCACGCGTCCGCTTTATTATCCTGACGTCTTGGGTCTTTTAAGTATATACTTTTCTGAAAG
GTATCCATTTTGTAGGCTTGGGTTCTTCATGAGCATACGATTGTTTATTTTTGCTGCTGTTCTCAACATCA
TCATTGCCTGCTGATGTGCCACGATGCTGCTCCAATAGACAGCAATAAGATTGTCTCTAATTTGAGCAGTA
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ATTATTCTCTAGGTAAGTATGTTTTAGGATTAAATACCTTTTACAGATACTGAAAGTGCCTCCTTTTGTGG
TGTAAAAAACAAATTATGGTGCAAAAAGTAATCACTAGATTGAAATACATGAAGGTTTTTTGCTTTTTGAC
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TTTTGTTAAGAGTAATGTAAACTATTATTGAGTAGAGGCCTAAAGAGGACTGTGCATTTTTGCTATTTAAA
GGAATCACAAATGATCATACTTAAGTGAGCAAAAATGACAAGTTTTACTAGCTAAGTAGAGAAATAAATCT
CAAATGCAGCGCTACAATTTTCATTATCTTAAGTACATTGTACATTTCTACAGAACCTGTGATTATTCTCG
CATGATAAGGATGGTACTTGCATATGGTGAATTACTACTGTTGACAGTTTCCGCAGAAATCCTATTTCAGT
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GTTGGTTTTTCGTTTTGTTTTCTTTGTTTTTTCCCCCTTCTCCTGAATCAGCAGGGATGGAAGGAGGGTAG
GGAAGTTATGAATTACTCCTTCCAGTAGTAGCTCTGAAGTGTCACATTTAATATCAGTTTTTTTTAAACAT
GATTCTAGTTAAATGTAGAAGAGAGAAGAAAGAGGAAGTGTTCACTTTTTTAATACACTGATTTAGAAATT
TGATGTCTTATATCAGTAGTTCTGAGGTATTGATAGCTTGCTTTATTTCTGCCTTTACGTTGACAGTGTTG
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TCTAATTCTGTGAGCCTACCTATAGCACTGGATTAAAATGTCTGCATCATTTCTTTAGTTATCCAGTTAAC
TTTAAAACTGTTGTAAAAGTGTAAACCAGCCCATGACAGGTTTTTGTACATGTTAAAGAACTTCATTGTTC
AGTTTTCATGATTATTGTGTAAGGAAGACTGATGTAGATGTTCTGTGCTGTCCTGGACCATGTTAATTACA
CTTACGACGTATTTTAGTTCCACATCACAATGATTTGTCCCCAGTGACCCTTTTATCCTTTCTAGGCACAT
TTCTTGTTGTTGTTGTTGTTGCAGTTCCCCTTTGCATTGTATTGCTTTGACAACTGTAATTTGAATCAGAT
CTGAAAGAGGTCCAGAATAAAATATATTTTGATACCAAAAAAAAAAAAAAAAAAAAAAAATTGTGGCCCC
TTGGCCCTGAGAAGTTTTAAACCTTTCGTTGGGGCGGGCCCCGTGGGTTATGACCTGGCCTAGCGTTCCAA
GAACCCGGCCGGACTGGGGTGGGTTCCCCAAAAACCCGGGACGGCGTCGAAAATCCGGGGTCGGCCCCGGT
TCCGGGCAGCACCCCGCCCGCGCGNNN
Table3 3896
CCGCACCACTGCACTCTAGCCTGAGCGACAGAACAAGATCCCATCTCTGAAAAAATGGATGAGTG
AATTAAATTTCAAAATAGAGATTTAATGGAAAAATGAGAATTGTTGTGTACATGATTTATGAAGTGGCTTA
CATAATATAATTTTGGACATGAAAGCCCTGAAAAATAGCTTCTTATTTTAAGGATGAACAGACTGGGATTT
ATTTCTGAAATTCTATAATTCTCAGTCAGTTGTAAGGCTTTCATTATATAATAGACTTTTTTTTTTAACCA
ACGGAAGTTGGACCTCTTCAAAATGTGAGATCCAAAAAGGTTTTGGATATTGTTTGAATAACTCTCTTCTC
CAAAGGAGACTGTTTTTGAAAAATGATTCTTTCTGACATGTTAAAATTGAATATTTTTGACACGCCAAATG
CACCAAAGTATTATATGTCATGTTTATTGCCGAGAGTAGCTATATAGCTTGTGGGAGACAGTTAACGTGAA
GCTTTCTTGCATCTGGAAGTATGGGGAGAGAGAAGGCTTCTTCACACCCCCTTTCATGTTATATTCTACAG
GGAAAGAATTTCTATCATGTAGACACTAGGTGACTCCCTTGTGGATAATTTCATTTAACAATGATTTCTGG
GTGTTGCTCTATGCCAGGCACTGTTCTAGGAGCTGATGCGAAGGCTCAGCTGATGGGCTACAGACCTGAAG
GCCTGTGCTCCTCAGTGGCACTCTGTAGGTAGATACAGAGCCACCATCTACTGGGTGCTTCTCCTGAGTGT
GACAGTGTAGGCTGGGACACGATGCTACCCTTCAAGGAGCTTGAAGCTAAGGTTCTGTGCACAGATAAAAT
TAGAATAAATGCAGAGATGCTATAACAAGATGTCTTAGAAAAAAGAAAAACAAAGAATAAATGCAGAGAGA
AAGAGAAATGTATAAAAGGTAGAGAGATAAACATACCACAAGTTCATAGAAAAGAAAGGCTGTGTGTTTAT

Table 6
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CTGTGGCTGGGATGATCAAGAAATGCTTCATGGATAAAGAGCCTTTGAGCCAGACATTGAAAGAAAGGTAA
TGTTGGACTTGAGGTCTTGGAGTATCCTCGTTGAAGGAAACANN
Table3 3897
NNCAGATTCGGCATATGTAGGACAGGGTACAAAGGATGTTGAGACAGCCTTAATTAAATAACGCA
TGCATGATCAGTTAAACCAGCTGTTAATTTGTTAAACCAAACGGTGAGAAAACAAATTTCCCATTTTAATA
TTACTCAATTCGAGCGCATATTAATTTACCAGGGCCTTTAACTAAAGCAAATGAACAAGCTGACTTGCTAG
TATCATCTGCATTCATGGAAGCACAAGAACTTCATGCCTTGACTCATGTAAATGCAATAGGATTAAAAAAT
AAATTTGATATCACATGGAAACAGACAAAAAATATTGTACAACATTGCACCCAGTGTCAGATTCTACACCT
GGCCACTCAGGAGGCAAGAGTTAATCCCAGAGGTCTATGTCCTAATGTGTTATGGCAAATGGATGTCATGC
ACGTACCTTCATTTGGAAAATTGTCATTTGTCCATGTGACAGTTGATACTTATTCACATTTCATATGGGCA
ACCTGCCAGACAGGAGAAAGTACTTCCCATGTTAAAAGACATTTATTATCTTGTTTTCCTGTCATGGGAGT
TCCAGAAAAAGTTAAAACAGACAATGGGCCAGGTTACTGTAGTAAAGCAGTTCAAAAATTCTTAAATCAGT
GGAAAATTACACATACAATAGGAATTCTCTATAATTCCCAAGGACAGGCCATAATTGAAAGAACTAATAGA
ACACTCAAAGCTCAATTGGTTAAACAAAAAAAAGGAAAAGACAGGAGTATAACACTCCCCAGATGCAACTT
AATCTAGCACTCTATACTTTAAATGTTTTAAACATTTATAGAAATCAGACCACTACCTCTGCAGAACAACA
TCTTACTGGTAAAAGGAACAGCCCACATGAAGGAAAACTGATTTGGTGGAAAGATAATAAAAATAAAACAT
GGGAAATGGGGAAGGTGATAACGTGGGGGAGAGGTTTTGCTTGTGTTTCACCAGGAGAAAATCAGCTTCCT
GTTTGGATACCCACTAGACATTTAAAGTTCTACAATGAACTCACTGGAGATGCAAAGAAAAGTGTGGAGAT
GGAGACACCCCAATCGACTCGCCAGTCTACAGGTGTATCCAGCAGCTCCAAAGAGACAGCAACCAGCAAGA
ATGGGCCATAGTGACGATGGTGGTTTTGTCAAAAAGAAAAGGGGGGGATATGTAAGGAAAAGAGAGATCAG
ACTTTCACTGTGTCTATGTAGAAAAGGAAGACATAAGAAACTCCATTTTGATCTGTACCNN
Table3 3898
NNACTTTTTTTTTTTTTTTTTGAGACGGAGTTTCACTCTTGTCACCCAGGCTGGAGTGCAATGGC
GCAATTAGGGTTCACTGCAACCTCTGCCTCCCGGGTTCAAGCAGTTCTCCTGCCTCAGCCTCCTGAGTAGC
TGGGATTACAGGCATCCACCACCGTGCCCAGCTAATTTTTGTATTTTTAGTAGAGACGGGGTTTTGCCATG
TTGGACAGGTTGATCTCAAACTCCTGACCTCAGGTGATCTACCCTCCTCGGCCTCCCAGAGTGTTGGGATT
ACAGGCATGAGCCACCATGCCAGGCTGCTAATTCTCCTTTTTAGTGAGTTAGGGAACTGAGCCTCAGAAAA
CTTAAACGATTTCTCAGAAAACACTCAAGTGATAAAGTGGCCACATTGGAAAGGAGTTTTTATCTTCTCAT
TGTCAGGCCAGTGTTCATTGCACAATATCATGCTACCTCTTGAATCTTTAAAATATTCAATTGGCAAATGT
TTTTCAATGTGATTTACTCATGTCTTAAGTGTATGAGGAAAGTTCAAAGCAAAATAGAAAGGAATAATTCA
AACTGAATTGTCCATAATCAGCTTCCAGTCTTTCATGCTAATCAGCTTCTTAAGAGACTGAAGTATGGCAT
ACCTACAGGGGAATTCCTTCACACCATAGCCTGTATGAACAGTGTTCCCTGGAGTTCTCCAGTGCTCAGCT
TGAGACCTTGATACACGGGCCATGAGCCCTGTCTTCCCCAATGGAAATTTATTTACACTTACCTTATCCCT
ATGGACTTAGTCTGATTTTATTGGCTAGGAGTCTAACAGTCCTGTGTGGATATACAGTTTTGCCCATGACA
ACAAAGGAATCTATCCGAAATATCTTTTTTTTTATAATAAACTTCCAAGATTTGCTGTCTTCCAGCACTTG
AGTTAAAGTAGGTGGAGTGATCATCAGCCTGGGCAACACGGCAAGACCCTATCTCTANN
Table3 3900
AAAAGGACCATCAAAATAACTTTTATTATAGTAGCAGGCGTAAACACTAAACTGAATATTCCAAA
TTGTGTCAAAAATAACCTACTAGAGACGAGCTTCTAGAAAACCTATTGTTGAACTGCTCTGAAGCTATCAT
TTTAACTATAAATTACTGTTGTTAAAATTTTATATACCCTGGTTGCAAATTAGAATGTTTTAAAAATATCT
TTAACCACGTTAAAACAATTTGAACAAAATCTTACCCCATCTAAAAATGATAGTGTTTAGTTGAATTTAAG
TTAAGCTCTTTAGTATATGACCATATGAAGGGGTAAAGTTTTAATCTTTTTTGTTATTTACATGTGAAAAT
ACAGAAACTAAGTGATTGAATCACATCCTACACGAAAGTTTTTGGAGTGCTCCAGGCATATCATGTGAAAT
ACAGAGGTATTTATATCTCTTTTGGCACCAATAGTTCTTGCTTCAGTAATTCACCAGTAGGTTTTCATTCA
TCGATAATATATCAGTTTAAGGCTAAAATAAAACACCTACATTTCTTAGGGCTTATCATTCTATATAGAAA
GAGGAAACATCCTAATGAGTTTTTTCTTTTGTTTTTCCAAAGAGATTCTAAGCAAAAAAATTTTAACTAAC
ATCTATATTTTGTTATTGGAGCTAGTTACCTTTCTTTTTCTTAGATTCTTTAACGTTTTGAGTAGATAGCC
ATATTTGATAAGCAGGTTGGATGCTTCTGTTGCTTAGGAGGTAGGTGTATTGTGTTATATGAAGACAGAAT
GAATTTAAATATACCCAGTTTGGCAGTATGAAAAAGCTCAGACTACATAAAACTTGGAGGTATGGAACCTT
TGGACGCATTAAAGTTAACGTTTCATTAGGCAATGTGCCTTTGTTTGACTGGTGTGTAAGTCCTTCTTCCA
GGTTTGTACGCTCTTAAACGCGTTATTCTACCCTCTCTAACTCCTCCCAGCAGCAAAAGGGAGACACTTCA
GCTGGAACAAAATAGTGGAAGAAATGGCTGTCTGGGGNNNN
Table3 3901
NNNNCGGTACCTGAAACAGGCTGATCCTGGTAGGGGGTGGATGCTGCTTTTCGAGCCTCTGAGTC
AGCTTGGGGGTTCCCCAAGGCAATCGAGGTAGAAGCTCGCTGGTGTCCTCTGCAGTGCATGAGCCACCTTT
GGGGGCTTCCACACTGCCTCTAATAATTGCAGGATCTCTTGCTGATACTTTATGTCTTTTCTCCCAGCGTT
CAACAGGGCTTTTTCCTTGTAGAATGCCCCACGCAGTTGGAGAGTTAAAAAGGCACACCAAGAGTCAGTGT
AAATGTTTACAGTCTTACCTTCACTTAGCTCAAAGGCCAGAATTAAAGCAATGAGTTTGGTCTTGCGGGCT
GAAGTGCCCTGGGGCAACGATTGGGCTTCAATGACAGCATCCAGGATTACCATATCCTACACACCTCTCTT
CTTGTGGGTCGACTAAAGCTGCTCCCATCCACGTACAGCTCCCAGTCTACTGATGTTTAAGGATGGTCTCG
GTGGTTAGGCCCACTAGAATAAACTGAGTCCAATACCTCTACACAGTTATGTTTAACTGGGCTCTCTGACA
CCGGGAGGAAGGTGGCGGGGTTTAGGTGTTGCAAACTTCAATGGTTATGCGGGGATGTTCACAGAGCAAGC
TTTGGTATCTAGCTAGTCTAGCATTCATTAGCTAATGGTGTCCTTTGGTATTTATTAAAATCACCACAGCA
TAGGGGGACTTTATGTTTAGGTTTTGTCTAAGAGTTAGCTTATCTGCTTCTTGTGCTAACAGGGCTATTGC

Table 6
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TGCCAGGGCCCTTGGACATGGGGGCCAGCCTTTGGAAACCCCATCTAGTTGTTTTGAGAGATAGGCCACTG
GCCTTGGCCAGGGCCCTACAGTCTGGGTTAAAACTCCAACTGCCATTTTTTCTCTTTCTGACACATAGAGT
GTAAAGAGTTTTGTCAGGTCAGGTAGCCTCAGGGCTGGGGCCGACATGAGTTTTTCTTTTTAACTCATGAA
AAGCTCATTGCTGTTGGTTGTAATAGATGTAGTTTATCTAATCTACATTTTTATTGACTGTCATCTACCAA
AATATTGACTTAAATCCTGTAACTATTTGATTTCAAGCTTTAAATTGATCTGGTATTCCTTGCGGGGCTCC
AATTGCATCTAAATAGATGTGAGAGTTGAAAGACCTATAAGGGGCTTCTCTCGCTTTATGATGTCTTATTT
TTTTTTCCCTCTGGTTGATGAAATGCCAGGGTGAAAGGGATAGCCAAATGGACTAAAGCACAAGTGCCACT
CTAGTTATTCAGCAGAGTGCCCAGTAAAGGTCCACCACAATACCACCACACATCCACTCGGGGATGAACAA
GGGCTGACTGATTGATAAGCTCTTGAAAATTCTTAAGCTCACTGCATCCCTTCAGGTCTCCAAGGAATGCT
AAATCTCCTCCCTGCCATGAGAGACAAGAAGTGAACTTAGTGTTGGGAGACATAAGTTGGATGGCCCTCCG
GGGCTGACCCCCCAGGGACTTAGGATTTTGCAGAAAGAGCTTGGCATGACTTTTTCACTCCAGGCTGGAGA
ATCCCGGAAAAGAGCTACCATGCAGCCCACCCCTGTTCGACNNN

Table3 3902

NACCGACCCCCCNATCCCCCTGCGACCCCCTTTCGGCTCGGGACGCGCGCCATTGTGTTGGTACC
CGGGAATTCGGCCATTATGGCCGGGTGGAAAACTCAGTATCACGTATTTAAACATTTTTTTTCTTTTAGCC
ATGTAGAAACTCTAAATTAAGCCAATATTCTCATTTGAGAATGAGGATGTCTCAGCTGAGAAACGTTTTAA
ATTCTCTTTATTCATAATGTTCTTTGAAGGGTTTAAAACAAGATGTTGATAAATCTAAGCTGATGAGTTTG
CTCAAAACAGGAAGTTGAAATTGTTGAGACAGGAATGGAAAATATAATTAATTGATACCTATGAGGATTTG
GAGGCTTGGCATTTTAATTTGCAGATAATACCCTGGTAATTCTCATGAAAAATAGACTTGGATAACTTTTG
ATAAAAGACTAATTCCAAAATGGCCACTTTGTTCCTGTCTTTAATATCTAAATACTTACTGAGGTCCTCCA
TCTTCTATATTATGAATTTTCATTTATTAAGCAAATGTCATATTACCTTGAAATTCAGAAGAGAAGAAACA
TATACTGTGTCCAGAGTATAATGAACCTGCAGAGTTGTGCTTCTTACTGCTAATTCTGGGAGCTTTCACAG
TACTGTCATCATTTGTAAATGGAAATTCTGCTTTTCTGTTTCTGCTCCTTCTGGAGCAGTGCTACTCTGTA
ATTTTCCTGAGGCTTATCACCTCAGTCATTTCTTTTTTAAATGTCTGTGACTGGCAGTGATTCTTTTTCTT
AAAAATCTATTAAATTTGATGTCAAATTAGGGAGAAAGATAGTTACTCATCTTGGGCTCTTGTGCCAATAG
CCCTTGTATGTATGTACTTAGAGTTTTCCAAGTATGTTCTAAGCACAGAAGTTTCTAAATGGGGCCAAAAT
TCAGACTTGAGTATGTTCTTTGAATACCTTAAGAAGTTACAATTAGCCGGGCATGGTGGCCCGTGCCTGTA
GTCCCAGCTACTTGAGAGGCTGAGGCAGGAGAATCACTTCAACCCAGGAGGTGGAGGTTACAGTGAGCAGA
GATCGTGCCACTGCACTCCAGCCTGGGTGACAAGAGAGACTTGTCTCCAAAAAAAAAGTTACACCTAGGTG
TGAATTTTGGCACAAAGGAGTGACAAACTTATAGTTAAAAGCTGAATAACTTCAGTGTGGTATAAAACGTG
GTTTTTAGGCTATGTTTGTGATTGCTGAAAAGAATTCTAGTTTACCTCAAAATCCTTCTCTTTCCCCAAAT
TAAGTGCCTGGCCAGCTGTCATAAATTACATATTCCTTTTGGTTTTTTTAAAGGTTACATGTTCAAGAGTG
AAAATAAGATGTTCTGTCTGAAGGCTACCATGCCGGATCTGTAAATGAACCTGTTAAATGCTGTATTTGCT
CCAACGGCTTACTATAGAATGTTACTTAATACAATATCATACTTATTACAATTTTTACTATAGGAGTGTAA
TAGGTAAAATTAATCTCTATTTTAGTGGGCCCATGTTTAGGCTCTTCACCATTCCTTTAACTGGCTTGAAC
TCTTTTGCAAGACCTTGCACGCACGGCTGAGCCAACCCCTTCGCACAATTCGCGGAGACGTAAACACATCC
CAGACCGGGCGCGCGAAACAACTTGGGCAACTATCAAGCAGGAAGCACACATGGGGCCAACCCACAACACA
AAGGGGGCCGCGCCTGAGAACCCCGGCACTAATCACAAGCGCGACAGCAACAGATCGGGGGCGCACCGAGAA
GAGAACATCATAGCGGTGCCAGCAACACCAAAAACAAGAGCAGCCACACAGCGTGCACGGGGGGTAGGTAG
TGTTGGTGTGAAGAGCATCGCATCCAGGGCCCGACGGCAGCGAAACTAAACACACACGAACCCAGCACACC
TAGACAGATTGAAGCGAGGAGGCACAGACGACACACAAAACAACAACGCACGCCAAGAGCACTAGCAGCAG
CTAGGACGGACGAACAACACGAGCCGACCACCGCAAACAACCCACACAACACCAACACAACGACGACGAAA
CAAGTACACACAACAGCGCACGCAN

Table3 3904

ACTTGCCCCCAGGCCCAGATAATTTATTTAAAAACTTTTTTTGTAGAGACAGGGTCTCACTATGT
TGCCCAGGCTGGTCTCAAACTCCTGGCCTCAAACAATCCTCTACCTCAACCCCCCTAAGTGCTGGCATTAC
AGGCATCAGCTGCCATGCCTGGCTACAAATCTTAATGTTTTCCCCATGGCTTCTTTTTCTGGCGTTCTTTT
CTCAGGTAATGGAAGTGGGCAGAGAATGATCCTTTCCCTAGGCTCCAGTGTGTAAGAATTAAAGAAAGAGG
AAAGAAACACAATGGCTTGATGGTCGAGGACAGGTTTATTTTAAAGAAAACAAACCCAAGAGTGGCTTCTG
GCTGAGTTAGATCAGAGGCATGCTCTCTTACAGACTAAGAGTTTTTAAGGATTCAGGGTGGGAGAATTTAC
CAGAGGCTTGGACTGCTTCTGTGTCTCNNN

Table3 3905

ACTTGCCCCCAGGCCCAGATAATTTATTTAAAAACTTTTTTTGTAGAGACAGGGTCTCACTATGT
TGCCCAGGCTGGTCTCAAACTCCTGGCCTCAAACAATCCTCTACCTCAACCCCCCTAAGTGCTGGCATTAC
AGGCATCAGCTGCCATGCCTGGCTACAAATCTTAATGTTTTCCCCATGGCTTCTTTTTCTGGCGTTCTTTT
CTCAGGTAATGGAAGTGGGCAGAGAATGATCCTTTCCCTAGGCTCCAGTGTGTAAGAATTAAAGAAAGAGG
AAAGAAACACAATGGCTTGATGGTCGAGGACAGGTTTATTTTAAAGAAAACAAACCCAAGAGTGGCTTCTG
GCTGAGTTAGATCAGAGGCATGCTCTCTTACAGACTAAGAGTTTTTAAGGATTCAGGGTGGGAGAATTTAC
CAGAGGCTTGGACTGCTTCTGTGTCTCNNN

Table3 3907

ACGCGGGGTAATTGACATTGTGGACTTCCTGGGGTAAGTCCTGAGTAAAAAGCACTTAAGCACCT
GTGGTACATCAAAGAGTCTCTTTGAGAGTTCTGCAAAGATTCAAGTGTGGATACCTGAGTCTATATATCAA
AAAGTAATGGAGATAAATAGAGAAGTAGAGAGCCTCCTAAGAAGCCATCTGCCTTCAAGCCTGCCATTGAA
ATGCAAAACTCTGTTCCAAATAAAGCCTTTGAATTGAAGAATGAACAAACATTGAGAGCAGATCCGATGTT

Table 6
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CCCACCAGAATCCAAACAAAAGGACTATGAAGAAAATTCTTGGGATTCTGAGAGTCTCTGTGAGACTGTTT
CACAGAAGGATGTGTGTTTACCCAAGGCTACACATCAAAAAGAAATAGATAAAATAAATGGAAAATTAGAA
GAGTCTCCTAATAAAGATGGTCTTCTGAAGGCTACCTGCGGAATGAAAGTTTCTATTCCAACTAAAGCCTT
AGAATTGAAGGACATGCAAACTTTCAAAGCAGAGCCTCCGGGGAAGCCATCTGCCTTCGAGCCTGCCACTG
AAATGCAAAAGTCTGTCCCAAATAAAGCCTTGGAATTGAAAAATGAACAAACATTGAGAGCAGATGAGATA
CTCCCATCAGAATCCAAACAAAAGGACTATGAAGAAAATTCTTGGGATACTGAGAGTCTCTGTGAGACTGT
TTCACAGAAGGATGTGTGTTTACCCAAGGCTGCGCATCAAAAAGAAATAGATAAAATAAATGGAAAATTAG
AAGGGTCTCCTGTTAAAGATGGTCTTCTGAAGGCTAACTGCGGAATGAAAGTTTCTATTCCAACTAAAGCC
TTAGAATTGATGGACATGCAAACTTTCAAAGCAGAGCCTCCCGAGAAGCCATCTGCCTTCGAGCCTGCCAT
TGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAATTGAAGAATGAACAAACATTGAGAGCAGATGAGA
TACTCCCATCAGAATCCAAACAAAAGGACTATGAAGAAAGTTCTTGGGATTCTGAGAGTCTCTGTGAGACT
GTTTCACAGAAGGATGTGTGTTTACCCAAGGCTACACATCAAAAAGAAATAGATAAAATAAATGGAAAATT
AGAAGAGTCTCCTGATAATGATGGTTTTCTGAAGGCTCCCTGCAGAATGAAAGTTTCTATTCCAACTAAAG
CCTTAGAATTGATGGACATGCAAACTTTCAAAGCAGAGCCTCCCGAGAAGCCATCTGCCTTCGAGCCTGCC
ATTGAAATGCAAAAGTCTGTTCCAAATAAAGCCTTGGAATTGAAGAATGAACAAACATTGAGAGCAGATCA
GATGTTCCCTTCAGAATCAAAACAAAAGAACGTTGAAGAAAATTCTTGGGATTCTGAGAGTCTCCGTGAGA
CTGTTTCACAGAAGGGTGTGTGTACTCGGNNNNN

Table3 3909

NNNNNNNNNNNCGGAGTACTTCTAGAATTAATTAACGCGGGGGGCGCCGCCTGCGTCCTGCCCAC
TCCAACGCTGGGTGACATTGAGCTCACCAGCGCCACCGTCCCCGGCGAAGTTCTGCGCTGGTCGGCGGAGT
AGCAAGTGGCCATGGGGAGCCTCAGCGGTCTGCGCCTGGCAGCAGGAAGCTGTTTTAGGTTATGTGAAAGA
GATGTTTCCTCATCTCTAAGGCTTACCAGAAGCTCTGATTTGAAGAGAATAAATGGATTTTGCACAAAACC
ACAGGAAAGTCCCGGAGCTCCATCCCGCACTTACAACAGAGTGCCTTTACACAAACCTACGGATTGGCAGA
AAAAGATCCTCATATGGTCAGGTCGCTTCAAAAAGGAAGATGAAATCCCAGAGACTGTCTCGTTGGAGATG
CTTGATGCTGCAAAGAACAAGATGCGAGTGAAGATCAGCTATCTAATGATTGCCCTGACGGTGGTAGGATG
CATCTTCATGGTTATTGAGGGCAAGAAGGCTGCCCAAAGACACGAGACTTTAACAAGCTTGAACTTAGAAA
AGAAAGCTCGTCTGAAAGAGGAAGCAGCTATGAAGGCCAAAACAGAGTAGCAGAGGTATCCGTGTTGGCTG
GATTTTGAAAATCCAGGAATTATGTTATAACGTGCCTGTATTAAAAAGGATGTGGTATGAGGATCCATTTC
ATAAAGTATGATTTGCCCAAACCTGTACCATTTCCGTATTTCTGCTGTAGAAGTAGAAATAAATTTTCTTA
AATAAAAAAAAAATCCAGAAAAGAAAAAAAAAACAGTTGGGGGCGCCGCCCCGGAAATTTAACCTCTGTGG
GCGGGCGCCTGTATGTGAATGGCCGGCAAGAACGGCTGAGAGGTGTGTCCCAAAAACGCGGGCACGGGTGA
ACCAGGGTGGGTCTGTACAGGCCCTCCCCCGCGCCNNNNNNNNNNNNNNNNNNNNNNNNN

Table3 3911

NNNNNNNGCTTGTCAATACTTCTAACTTAAGAGCAAGCAAACATATTTCAGGTTTAATTTTATGG
AACAAACACTCTGCTTGTGAATTGTCCACAATATTTCCATAATAACTAACACACTATCACTCCATCAGGTT
TCACTACACAAAGTATTGTGAAACGGAGGTGGGAAATTTTTTCCAGGGTGTTTAGACAAGTATTTAATGAA
GGCTGAAGCAATATGTTCTTTGAGGCATTTAAAAATATTTGAGGATTAATTTCACCAGGATGGATTTCTTA
ATCAGTAAACTGGCTTAGATAAGAAAAAGTCAGAATATTATTAATGAACCTAATGTTCTCTCATGTTTGAG
ATCAGCCAACAGGCCACTTACTTATACCCTACTTGCCTTAAGGAGTATGAAAGAAGTCCAGCTTTCTTAGT
CTAACTGGTAGTTTCCAACAACTGAANN

Table3 3914

ACCCATCTTGTCCCAAGTGCCAAGCTCTTCAGTTGTTTCTGCTACTTAAGAAAGACACCATCTAA
TCTGCCATATAGAGAGCTTAAATGGAGCTGTAAATATTTGGGGGAAAGAGTTTGGTAGTGTTAGCCTGGCC
TGTCCTCCACTGTATTATAAGTAGCTGTTATCTGAAACAATTGAGAACACAGGGGAAAAAAAGACCCAATT
ATGCACCAGGAAGTCCAGTGCCCCATTTTTGGAGAAGGAAAGTGAGAGGGCATTGAGTTTCATTGATTGGG
TCTCCGTGGCAGGCCAGCTGCCCCCCAGGAAGGCCTGGTATTCCTGTCCTCTCCGTGAACCTGCCTGAAAG
GGATATAGGAGTTATTGGGTAATCAGGACTTGTCAGCACCTCGGTTATGCAGGATGGTTCAATCCGATAAT
GTGAATGGAACCTGTAATAGGGCTGATGAAAAGCACTCCAGTTTCAAAAGGGCCTTGAATGATTTTTTGTT
CATTTTCTGTTTACATGTAATGTGTTATTGATGTCATTACCTTATAATACGGCAGCTTGTTTCATAGAAAA
ACCAGGAATTATTCATTCTTTNNNNNNNNNNNNNNNNNNNNNNNNNNNNN

Table3 3915

GCTTCCATTTATAAAGCGAGATGGATTGGAACCAAGTTCCAGGGTGCCCTTCAGGTCAAAATTGG
TATGAGTCTATAATATCGAATTTATTTCTAACCTAAAATATACCTCCTTCTCTTTTTCCCTCATAGATGCT
GTGGTTAGAAATGTATATCACAAATATTTCCATCCTAAAGAAGCTCTAGTTTCCAGTGGAGTCTTGAACAG
GTAAGCATGTTGAAAGCAGAAATATCTTGGCAAGGCATCGTCGCTCACACCTGTAATCCCAGCACTTTGGG
AAGCCAAGGTGGATGGATCATTTTGAGGTCAGGAGTTCCAAACCAGCCTGGCCAACATGGTGAAACCCCAT
CTCCCTGTC

Table3 3916

agGGAGTCGACCCACGCGTCCGGCCgCCTGAGATTGACCCCGCGCGCGCTGTGCAGCGCCGCCCA
GGCCGCCTGGCGGGAGAACTTCCCCCTGTGCGGTCGCGACGTGGCGCGCTGGTTCCCGGGCCACATGGCCA
AGGGGCTGAAGAAGATGCAGAGCAGCCTGAAGCTGGTGGACTGTATCATCGAGGTCCACGATGCCCGGATC
CCACTTTCAGGCCGCAACCCTCTGTTTCAGGAAACCCTTGGGCTTAAGCCTCACTTGCTGGTCCTCAACAA
GATGGACTTGGCGGATCTTACAGAGCAGCAGAAAATTATGCAACACTTAGAAGGAGAAGGCCTAAAAAATG
TCATTTTTACCAACTGTGTAAAGGATGAAAATGTCAAGCAGATCATCCCGATGGTCACTGAACTGATTGGG

Table 6
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AGAAGCCACCGCTACCACCGAAAAGAGAACCTGGAGTACTGTATCATGGTCATTGGGGTCCCCAACGTGGG
CAAGTCCTCCCTCATCAACTCCCTCCGGAGGCAGCACCTCAGGAAAGGTACTGGCGCGTGCGGCTGATCAC
CTCAGGAAAGGTACTGGCGCGTGTGGCTGATGTGCTGATGCCACCATCTTTCTTGGAGGGGACGTGCCCGA
GGAGCACTGCCAGTCTTCTGCTGACCCCGCAGCCCCAGAGCACACCTTGTCTCGTTCAGTCCAGTTCACAG
GAGGGCTGAACAGTGGGACCAGGTCGTTCTGTGAATTTCACACTTAATTTTTCTCTCTTTTAAAATCTTTA
ACATGAAGATGGCTTTTCTAAACTTTGATATTTGTTCATTTATTTAAATCCCTTTGGCCGGGTGCATGGCT
CACGCCTGTAATCCCAGCACTTTGagaggCCGAggCGGGCGGATCATGaggTCAggAGAttGAgaCcattC
TTGCTGAAacggtgaaaCcCCGTCTCTACTaaAatacgaAAAATTAggt

Table3 3918

NNNNNNNNNNNNNCGAGGTACTTCTAGAATTAATTAACCTAAGCGATGAAATCCAAAGGTGAATC
TTTTGGTTGGTGATTTTGATGATAGCCACAAAGCAAGCAGGCTGTATGGTAGCCTTGAAAACCAACAGGCC
ACAATCACAGTGAAAACCTCAGGTTGGCAGCCACTGGAGGATACAAAATGAGTTTGGATCTCCTTCAATGC
CCCATTCCCAGAGAACTGTCATTATTTGACCTGCTGGTAGTTCCCTAAAGGACGTGCAAGGATGTTTTTAT
TTGACTGGACACTTGAAGCTTGCCCTGTATGAACAGCCCCCATCTTCCCATGCTTGTCAAAAATCAGAGGC
AACTAACACTGCGGCTTCCTGAGAGTCTCACTCTGTCACCCAGGCTGGAGAGCAATTGCACAAACACTTGG
CTCACTGCAGCCTCAACTTCTTGTCCTCAAGTGATCCTCCCACCTTAGCCTCCTAAGTAGCTGGGACCACA
GTAGAGACGGGGTTTCACCATGTTGGCCAGTCTGCTTTCCTCCTAACCTCAAGTGAGCCGCCTGCCTCGAA
GATGCTTTATTTATAAGCGCTTTGGACACACTTTAATAAATGCTCTATTGTATACAGTTGAACTCTATATA
ACATTTTGAATAATATTGTTAATGCTTACCCTAAGT

Table3 3919

NNACTGGGAAATATATAAGGTGCCAGTGCCCAACTCATTCTCATACTTACTCCCAAGATGGCTGT
TTCAAATATTAGATATGGAGCAGCAGTTACAAAGGAAGTAGGAATGGACCTAAAAAACATGGGTGCTAAAA
ATGTGTGCTTGATGACAGACAAGAACCTCTCCAAGCTCCCTCCTGTGCAAGTAGCTATGGATTCCCTAGTG
AAGAATGGCATCCCCTTTACGGTTTATGATAATGTGAGAGTGGAACCAACGGATTCAAGTGCCAACTACCT
CAGGAACCGGGAGTGAAACTACTGGGGTTGCCATTTTTGACTATGAACACTTGAAAGTAAAAATTGGCGTC
ACTTCGAGAGCCATCAAACCCACACTGGGACTGATTGATCCTCTGCACACCCTCCACATGCCTGCCCGAGT
GGTCGCCAACAGTGGCTTTGATGTGCTTTGCCATGCCCTGGAGTCATACACCACCCTGCCCTACCACCTGC
GGAGCCCCTGCCCTTCAAATCCCATCACACGGCCTGCGTACCAGGGCAGCAACCCAATCAGTGACATTTGG
GCTATCCACGCGCTGCGGATCGTGGCTAAGTATCTGAAGAGGGCCGTCAACAGCACTGACAAATGAAGAAG
AAGAATGAGTCTCAGGGCACCTTCCTGGAGTGGCCCTCGCCATCCAGGGACCAGCGCGTTGCCTCCCCCGG
CGCTTTTACATCACATGAGCAGCTGACAGCGTATTTATTATGCCTTTGCTGAAACAGTTGATGAGAAATAT
GTTTCCCTTCAGTTTTCATTTAGAAGACAAGGCGTCGTTTGAATAACTTGCCTGATTTTTCTTCCTACCGA
GTAGCATTTCTTTTTTTTTCACCATATCTTTCCCTAAGGCAGCTCCTTATTCTGTAGGAATTGCCAATGTT
GATGTGTTATTGTTAGGTATTTATATCATTCACAGGGCTGTCAGAAATCCCGATGATCTTGAAGCAAGGTC
TCATATGCACTTGGCAAGTGCTTTTGCTGGCATCGGCTTTGGAAATGCTGGTGTTCATCTGTGCCATGGAA
TGTCTTACCCAATTTCAGGTTTAGTGAAGATGTATAAAGCAAAGGATTACAATGTGGATCACCCACTGGTG
CCCCATGGCCTTTCTGTGGTGCTCACGTCCCCAGCGGTGTTCACTTTCACGGCCCAGATGTTTCCAGAGCG
ACACCTGGAGATGGCAGAAATACTGGGAGCCGACACCCGCACTGCCAGGATCCAAGATGCAGGGCTGGTGT
GGCAGACACGCTCCGGAAATTCTTATTCGATCTGGATGTTGATGATGGCCTAGCAGCTGTGTGGTTACTCC
AAAGCTGATATCCCCGCACTAGTGAAAGGAACGCTGCCCCAGGAAAGGGTCACCAAGCTTGCACCCCGTCC
CCAGTCAGAAGAGGATCTGGCTGCTCTGTTTGAAGCTTCAATGAAACTGTATTAATTGTCATTTTAACTGA
AAGAATTACCGCTGGCCATTGTAGTGCTGAGAGCAAGAGCTGATCTAGCTAGGGCTTGGTCTTTTCATCTT
GTGTGCATAACTTACCTGTTACCAGTATAGGTGGGATATACATTTATCTGTGGCAGGAAATTCCCCAAAAG
CTCAGAGTCCAGTTCCTTCCATAAAACAGGCTGGACAAATGACCACTATGTTAGACCCCCAGGCTCGACTT
CAGGGGTCAGTGTTCCTGTCCCAAACCCAACAGAATACTCTGCCTCTGGTTCATGTAGCAAAATGAGCAAA
AACTCAGTATCTATCAACAGTGTGAATTATATTTCCTATGCCTAGTAATTCACTTCATGTCTAAAAATTAT
TTGATAGAACACTAGGCACCAGGTACATACAAGAAGCTGGAAGATGTTCTGGAGCACTTTTCTAATATTAA
AGATTTGAGGCAAAAAAAAAAAAAAAAAAATGGGGCGGCCGGCCGAGAAATTTAAAATTGGGGGGGGGGCCG
GATAAATGAAGGGTATGGTCGAGACAGGGGGAGGTGGGTTACACAAAACGGGAGAGGTGGAACCCAGGGGG
GGGTTCAGGTGAAAACNNNNNN

Table3 3921

ACTTTTTTTTTTTTTCCTTAGAGACATGGCCTCGCTATGTTTCCCAGGCTGCAGTCAGTAGCTAT
TCATTCACAGGCACGATCACTGTGCACTACAGCCTTGAACTCCTGGGCTCAAAAGCGATCCTCTCGCCTCA
GCCTCACCACATCTGGCTACTGTTTATATTTGGTGTAAGGACGGGATGTTTACTTTCTGGAAATAAGTTAG
AGTTGTTCATAATTGAAGTTGCAGAATGAGGAATTATTGTCAATAATAAACATTAACTCAAAATCCCTTCA
TTAACTGTTTATTGCCTTAGAATTAAAAGGTGAAATGTATAGTTAAAAAAATCTACACATAAACTGATGTG
CAATTCCCTATACTTCACTCAAAGCCTGTTGCATCCCAGGAGTAAAATATAATTACAAATCAGTACTATAG
ANN

Table3 3922

NNNNACCATGAGACTAAATGAACTCATGACATTTTATTTGAATCCATTGCTGGTTTTGTTTTCCC
AGATTTAAGGAAAATTTTCTTTTTTCTCTTAGACTACCTAATTGCTTACAGCAGCTTGGTAGATTACTCCT
TTATAAACAAAATACGAATTACTTTTTCTCCCTACTTGACCCGTCCAGAATTCAGAAGCTATTAGTGACTA
TCCTTTTTTCATGGCAATAAAGTTATTTATGTAAGTTCAATAAGAATCTGTTCTCTTCGTAACAGAACATA
ATTGGAAGCATTGGTTTTATAACCAAGGTTTTGACTGGAACGTCGTACTTGAGAATGTGTATAGATCAGAT

Table 6
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ATGACCAAGCGATGCAGAATTTTTGCTCCTTAGTTAAGCTAAATCTGGATTCTTCTGCCACGACCAGGAAA
AATTAGGCATGTGGACACTCTGAAGGGTGAGGACAGTGGAATTTATTGGGCAAAAAGGAAGAAAAAAAAAA
CTTTCAGCAAAGTGAGGGGTGTCCTGCCAATGGCCTCCCCCCTTCACAGATTGAAATATCAGGCCCCCACA
CATGAGCTGAAGAGCCAGACTCCTCCCCCTGCATAAGGTGCAAATTCCTGGTCACTCCACCCCATTCCTCC
AGTGCAACATGTGGGCATTATTCAGAAAGAATCAGTTGGGAAAGGGTGGACAAACAGGGGCAGTTCTCCCT
CTGGGTCGTGTTTTTCATCTGGGACCAGCAGTCCAATCTTTCAGCCTTCAGGCTGTTTTAGGCCTGAAGGT
TGGGTTTCACTGGGT
Table3 3924
ctaatcactgtcaatttatagacccctGaCTTtctggaaataAAATGTGTAATTACCTTTTACTC
TGATCATAATCTCCCACCTGTCTAAGAGGTTATTTATTCCTTATTTAGAGGGCCTCTATTGCCATGTGCCT
GGAATTATTATATGCTCATCACTTTATGAAGAATAAAATTTGTCTTTCCTGCCTTAAAGTTACATTCGTTC
TTCCGCTCAAATCCTGATCTGGTCCATTAAAGAGTGTTCGCAGACAAAGTTTCTGAAAGATTAGAGAAGAA
TCCCCCCCCAAGATTGCCCCAACACTGAACTACAGACAAACACTATTTTATTTAAATAAGGAGACAGCTTTC
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ATCACAACATGTAAATTTTAGCAGTAACATCTGATTCTAACAGCACATCATGCTATTCCTTTCATAGAGCC
TTCAGAGATTCAATGCTAAACAAATTTCCTTAGTTGGCATCAAGGCACTGATCACTTTAGAGGCTTTTAAG
AAATTATTTAAAGATGCAAATGCCTCTGAGTGAAGTGTACTATCCCATCACTGAAGCCCACAGGAACAAGT
CCTACAATTTTAAAAAGGCTCGATGGAAAAATTTCTCAATCCTGAAATCCCCTAGGGAAGGGGTCAGGAGA
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GCAGATGCAAGTTAAACTTATCTGTTAACAGCTGCCTGCTGTTTTCTGCTCCCAGATGAAATGAAGCAACT
CTTCTGATAACGAAGAGATACCTGTCTGAGGCAAACGAAACATTGGCACACAGCACAGCCTCCTCAATCCA
CTTGATCCCAACTCATCTCTCATTTATTTCGGCTTCTTTTATTCCAGGATTAATGTAGTGTAACATTTTCA
TTTCTTTTCGCTTTTATTCTGCTTTTGTAAAAGCAGTATTTTGAGATGGACATTGCCTCTTCATTGTATTT
CTCATCAATTCATTATTTTTGTGGTTATAGCTTGACAAGCAATTAACTTTAAAATGGTAGATTCCGTAACT
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GAAAAAAGTCTATAGAAAAAAAAAAAAGTTTCCCCTCCCTCATCAACAAAAGCCCACCCTCTAAGAGACAT
TCAAGCTGAACTATCACAATTCTTAATCAGTTACAATTTACAAACAGATAAGTTTAAAATAAACAATTTAC
AAAATTTTTGAAGCATACCTTAACATCTTGTTTTGCAGTTAAACAATGGAAAAGTATTTCTCCTACACTAA
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TCCCTTCAGGATCATTAAGCCACTTCCTTTGCTCTGCAGTTTCTATAGTAGTTTTAAATTATTATTAAATC
ACCTGAAAAAAATTCCAAAAGAGAACCACACACTACCATATCCAAACAACTTTTGCATTTCCCATAATTGT
AGTTAATGTCAGCCCAGTAGGCCAGACCAACCCCCAGTTCAATACTTTCCTTCCCCAAAAGCTCTATACTT
TGAAGGAAAACAGATACAGTATCAAATTATGACACTTTCCTTGCCCAAATTAATGCACTGGTACACCCAGT
GGCTCATATTTAACTTCCCCCAGCTTCCCAATTCAAACTGGGGGGAAAAAAACTAAATCATTGGGAGTTAC
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TCTGCAATCATAAACTAAACAATTACCTAAACCCACCCCACCAATCCCAACCGTAACAGGCCACTGCCAAC
TAATTGCCAATATTTGCCCCTCCCCTTTAATAAAACTTTTAAGAAGTCACATTATTGGAAAACTTAACTTC
AACATTTGGCCTACTCAAGCTCTTCTGAAGTTCTCCTGAGATGACTGAATATGAACCAAAGCTGCACTGTG
CTGTACTTTTCAGCTTCAACTGGGAATACTCTTCCAAGGATAAAAGCAGCTCCAGTCCCTGAAGGTGTTCG
TGCCAACAGCACAGCGGTACACTCCTTCTCTAACCCAGTTTGTCAATAGTACTATAGCATCTGTGGAAAAT
CTTAGAAAAAAACATTTTCTCCCCCACCCTCTCTCTTCCCTGTTAAGACCATCCCAAAATGCTTCAAGTAA
AAAATAACAAGTTTAAGGGGTTAAGCACTTTTAAAGtcTGattaagGGGGtgggggggacaaacgagtaact
accagcca
Table3 3927
TACAGGTTATTAGAATAGGGAAGGGACACCTTGGGCCCAGGAGTGAGTGTTTCTTCTTTTACAGG
TGTAACTAAAAAAGCTAGTTGGTCTAACTTGTGTGTCTTTGTCCTATAAGCCTCTGCAGGTGTGCGAGCAG
GATTGCTTCTGCAACAATAGCCTCCACCCAGCCACATCTTGGGAAAAGAATGGCCACTTCTTGGGGCACAG
TCTTTTTCATGCTGGTGGTATCCTGTGTTTGCAGCGCTGTCTCCCACAGGAACCAGCAGACTTGGTTTGAG
GGTATCTTCCTGTCTTCCATGTGCCCCATCAATGTCAGCGCCAGCACCTTGTATGGAATTATGTTTGATGC
AGGGAGCACTGGAACTCGAATTCATGTTTACACCTTTGTGCAGAAAATGCCAGGACAGCTTCCCATTCTAG
AAGGGGAAGTTTTTGATTCTGTGAAGCCAGGACTTTCTGCTTTTGTAGATCAACCTAAGC
Table3 3934
gtataataccctgctcctttcggttttcttttgagacagggtcttttaatgtcacccaggctggt
ctcaaactcctggcctcAATCCTcccTccatggccTCccaaAGTGCTGGGATtACAGGTGTGAGCCATGCC
ATCCAGCCTGCCCTGCTCTTTTCTCTTCTCCACCTGGACTCTACTCCCTTTTGATCTTGCCAACTTCTACA
CaCCTTTCAAGGCACCAGTTAAATGTAAATCCTCCAGGAACCCTTCCTTTGCCATCCTCAGAGCCCTCATT
GGATTGCTTCCCGCATACAGCACTTATCCCTTATGCAGAATTAATCGGTTTGTCTCTCACCTACTAGAGGC
GTTATCCTTGAGTGTAGGGACTGTCTTATCCATTCTTGCATCACTGGCATAGTAGGCACTAAATGTAGTTG
CTGAATGCTTAATAAGAGGAATGGAAGTCTTCGTAGCTTGGGGTAGATACTAATGGGCAGATAGAAAGTTC
CCATCCCTGTTCTCTGAGAAAGTGTCAGTGTTCTTTTAGTTTGCTTAAACCGTGTGGGTacttgAGtcctt
ttaaacgattaacgctgggaagaggcaccatttaattaattaatttgttctggaagggatcagtgtacaat
tttaactcagtgctttgtggatctagctaaaggtcaagaactaaagtcggctattagtgcctctggaagat

Table 6
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atttctgcactttagcaccttctctgatgtttttccttcacctcgagctggcctcactctcttcaacaaaa
ccgaacctgcaggaagaatgttgtaccatatccagcatttttgtcccaacaaacatgggacaaacg
Table3 3937
ACGGCAAAGCAGTGGAATGTTTTCTGTTAGCTGATGTTTTTTAAAAACTTAAGTTCCTTGTCTTT
CTTTTTCTCTTAATCAGGATTCCGGAGTTTGAATCCACCTTTGACAATTGTCCGAAAGACGTTTGAATCAA
CAGAAAACCCAGATGACTTCTTGCCCTCTGTAATGACTTGTGTGAACTATCTTAAGTTGCCGGACTATTCA
AGCATTGAGATAATGCGTGAAAAACTGTTGATAGCAGCAAGAGAAGGGCAGCAGTCGTTCCATCTTTCCTG
ATTATAGCAAGAAATGCAGTGTCTGCCTGTTACAGCAAAAGAAACAAATCATGATTTCTTTTCTAATGTTA
TCACCTGAGTCAAGGAAACATGTTACGCCTTCTTGTTGTAGGAAAAACGGCTTGCAGATTATAAAGAGAN
Table3 3938
TCCACCGCGGTGGAGCGGCCGCCCGGGCAGGTACATGCCACCATGCCTAGCTAAGTTTTGTATTT
TTAGCAGAGACAGGGTTTCACCATGTTGGCCAGGCTGGCCTCGAACTCCTGACCTTAGGTGATCCACCCTC
CTAGGTCTCTCAAAGTGCTGGAATTACGGTGTGAGCCACTGCGCCCGGCCCTTAGTAGCATCTTTTAATGG
AGGTAGAGTTGAGATTTCAGTGACTAACAACTAAAGGTATTAAAGGTAGGGGTTTATATGATACATTTGCA
TTTTAGAAAACTGATCTAAGCTTCAATGTGAAGAACAGATTGAAATGGAAGGGGGAGAAGACTAGAAGCAG
AAACATTACTCATTTAAGTAATCTGGACCATGAAACTGAAAAAAAGTATAGGGACTCCAAAAGTCATAAAG
AAGTGAAAGCAAGATTTGGCAATTAACTGCTACGACAGGGAAGAGTTGAGGGGAGTCAAAGAGGAAAGCAA
GGTTTCTGAGCTGGCAAACAGTGAATTGTAGCTCTGTTCACTGAATGAGGCAAACAAGAGAGAGCAATTTT
GAAAGGATAGAGAGTGATGTGATGGTGAGTTTAGTTTGAGACATGTGGAGTTTGAGATGCTCGTGCGACAC
AGTGGGAGGCCNATAGTATGTACTACGGCCGCCACCGCNNNN
Table3 3940
NNGTCTCCATGGCTATGTCCTGTAAAGATTCACAGAAAACCCAATTCCCTTAATAAATCCATTAT
GGCATGCCTATGAGTGACTTTAAATAAACAATCCTCAATGTCCTCGTGTCTAGCCTTTCCTCCCTTTAGGG
AAGCTGGCTGCTAACACAGCACCTGACCAGAGTAGACATTTGATAAATATTTGTTGAGTTGAATTAATCCT
GCCATCTATCCCTTTTTACTATGCAATCTTTATTTTTCCTGGAGCTTCTTACTTTTAACTTTAAGAGATGG
CTTCTAGTTCAAGTATTTTGAGGCTTGGTACCCAATGCTGATTTGTCATCTCTCTAGATTTTACTTTTTCA
TATTGAAATTCTTTTTTTAGTCTATTCTCTTGTAGCTTTTGTTACATCCAATGATCATTTGCCTCTCTCCA
GGCACTACCAAACTCATTACTGTGGATAGTTTCTGCCTTTACAGGCTTAGAATTGACAAATTGAGAGACAC
ATTTTTTTTTCAATTCTCAAAACAACTAGACTCTTTCCAGCAGATTTGCTAAGGCACACTAGAAGAAATGT
AAAAATCTCACATTCTTGTTCTAGTTAATACATGGGAGAATATTACTAATACATACATTTGTTTTCTACAT
TTGTGGTTGCCTTATACATCTCCTTCACGTTTAATTCCTTAAACACATAAATATGAGTCANNN
Table3 3941
NNNACGGGAGGAAGACAGAGGAGACGAACGTCGCTAATCATGTCTTCGTATGGTGTGCCCCGCTG
TCTCGCTAGACGCTTAGTGTGCGGATCCTGCTTATGCTTCCGTGCTCTCTTTTTTCTGCTCTACTACTGTG
GCCCTATCTGCAGTTGATCACTTGGACAGCCGATATTGTGGGCTGTGTTCTCCTATGCTGTTGCACCCGCT
ATTGGGCTGTTCTCAATCGTACACTGAGGTTGGAGAGGGTGTGTCTTCAGCGACAGTTGAGCCCAGATGTC
GGGAATTTCGTGGTTAACGTACTTCTTCCTGGGCTTGATTCCTTTTTGAGGGGAAGTTTTTAACCTTTCCT
TAGTAGTTACTTTTAATGAACTGAAGAAGAATTAAAGCATCAAAGGCCTAGTGTATGATTTGACTCCGAAG
TGACCCTCTCTTCTACTTTGATAAAGTCAAGATACCTTATTGGCCATAGGAGATTCCTCCTTTTGGGGCTA
CCCCCATACCTGGAAATTCCAAGAGTGTGAGGGCTATATTTGGGCCCAGAGGAAAATCAAGGAACCCCATA
TCCAGCTGCTAAAGCCCTTGGGCCCAAGGAGTGTACCACTGAATCCAAGGCTCTCTTGGGTAGCCTATGTG
CCTCTTGGATGGTATGTGAACAAGGTAGGGATGAAACTGCAGATGTCTGAAAAGAGCTTAAGCATCCTGAC
AGCTTGCATTTTTTTTTTAATTTTTTTTTCCTCACCGTATTCCACATACCTGTGGCTGGGGAAGGTAATGT
TACCTCTGCAAACAGATGCTCTGGTAAGAGAAGAAAGACACAGGGAAGGCAGAGAGAGCAAGACAGAGGGC
TCAATCACAAAGCTGGGACAAGGAGAGCAGCTGTTTTTCACACATTCCTGCTCCTCTCTCAGCTGGGCTCA
TGTTCACTCCGTTTCATTCCAATCATCAGGGTGGAGATTTCAGAGGTGACTATCCCTAATCCAGTAGAGAA
CATGAGCCCTGGGAGCACAGCTGCCTGGAGTCCTCCCAAGGGTCTCCTCCCCTTTTCCAGACTCAGCATCA
TTGAAGCCCTAACGGGTCCTTGTAAATTAATGTTTCATATTATCGAAGGACTGTCAGTTTAGTTTGGTACA
GTTTATTGTAGCCTAAGAGGTCCAGCAAGATTTCAAGAGAGGAGAGATGATTGCATTACTTGATTACAATG
AATACAATCTTTAGGATACTCTTTACTTTTTGTACAATAACGATATGAAAGGAATTTTTTATTCTACCTAT
ACACAGCTCAAAATAAAGGTATAACTTCTGGAACTGAGAAACTGATGTCGACGCGGCCGCGATTTCTTTCA
CTGAATGTTGATACGCTTTGATAAGTGTATACATCAAGGGCATATACATATACACCCAACACCCCTCTCTC
TTTGTTCTGATTAACTCNNNN
Table3 3942
ACTAGGGAGGCTGAGGTGGGAGGATCCCTGGAGCACAGGAGGTCAAAGCCGTAGTGAGCCATGAT
CACAACCACTGCACTCCAGCTTGAGTGACAGAGAGAGAACCTGTCTCAAAAAAAAAAAAACTAAGTCTAAA
CTTGTAGATCATCTCATGATAGATTCATAGGGAAATGATACAGTTGACCATTGTTCTGGCAGGTTCCATGT
GCTGAGTCCTCGGGTATACATCTCACAGGAAGTGATTCTAGCTTGGGTGGGTCATCTGCGTTCTCTGTTGG
CCGAGTAATCACTGGCCGCGCTGTGGGCACCAGAGAGAGAGAGAGTATGGGCGGTTATCAGTCTGTCTCGC
TGTCTTTAGCCTGCAGAACCTGTGTATCACCCGGTTTTGTCACTGTCTGCAGGGATGCGCGTCTTCGGGTC
GNNN
Table3 3943
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNTTTTTGAGACGGAATCTTGCTCTGTCACCCAGGCT
GGAGTGCAGTGGCGCAATCTCGGCTCACTGTAAGCTCCACCTCCCGGGTTCACGCCATTCTCCTGCCTCAG

Table 6
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CCTCTTGAGTGGCTGGGACTACAGGTGCCCACCACCACGCCTGGCTACTTTTTTTTTGTATTTTTATTAGAG
ACGGGGTTTCACTGTGTTAGCCAGGATAGTCTCGATCTCCTGACCTTGTGATCTGCCCGCCTTGGCCTCGT
AGCCCTTTTTGACCCTCAGGGACAGTCACTGAATTATGTCTTGGGAGCCCATGCTTCTGAGGCAGGCTTAG
GGAGCAGGAGAGCATACAGGTGTAGCAGCCTTTCCAGCTGATCCCCATGCCCTGCTGCACCTGGAGGGCTG
GAACAAGCTATTCTCATATTGGGGAAAAGGGCTGATGGGACCTCAGTCATGTGGCAGAGAATCTGAAAGCC
AGAAGCTTGGCAGGTCTGTCTCGGGGTGGGGTGACGGAGAGACATTTCCCTAGAATTCAGCTGCTGGGAGC
AGAAAGACAGAGCAGGGGCAAGTGCTGGGTTTCTGAGGCCCGCAGTCCTGAGCATGGCCTCAGGCAGTCTG
TTCTATGACAGAACCTGAAGAAAGGCCCAGGCATTTGCATCTATGTGTGCAGTTCTACTTGTCCTAAAGGC
ACTTCTCACACTGGGAGCCTGCCTGTCTGTACCTGTCTAGAAATCAGCCTGGCTGGGACGCACACCAATAG
GAGGGCATCCTCACCTTTCCCACCCATGAGTCGGGACTGTTGCCTGCTGTGCAGCAAAGGCACCAGGAACA
CGGAGTCAGACACTTAGGGTCTACCCCAGGCTCCACTTCCCACTGCCTATTTGACTCTGGGCAAGTCTTTT
ACAGCTTTTCAAACTTCTCTCTTTCTTGAGCCGAAGAAGGAAGAACTAAAAAATGTGCGGCCGTTTGACTG
GTTTTGAAAAAAAACTTTCCACANNNN
Table3 3945
ACCTGGTTTTAACATTATACCAAGGAAGGAGGCACTGAAGAGGGTAGGAAAGACAGTCTTGAATG
GCTGATGCCACCCCTCCCCTATGGAGGAGTGTGGTGCTGAGAGAGAATCTGTGCTTGGGAGAGGGAGAGCA
CAGTGACTATGGCACTTTGTATTGGAACTCAGTGTTTGTTGGTCTGTCTGTCGGAATGGAAAGCAATGCAG
GGCACAATTTCGCTGGTGCCCACAGAGGCTGCATTTAGAACAGCCCTAGCCAGAGAAGAATTTTCCATCCT
AGCAATTGGAACCTGAGTTCCAGCTAGCCCACCGCTGTGGGCTAAAGTGATGTAAGCTCCTAAATAGATTT
GAAAGATAATCTATGCCACAAGGACTACAATTTCTGGGCACAN
Table3 3946
NNAGCGCCCGCCCGGGCAGGTTTATTGCTATGAACTGCCACTGATGACCAGAGGAATCAGATGGA
CTTGGCTTACCTCCAGGATGGGTTGCGCCAAAAGACTGGTCAATCTGTTCAATGGTAGGAGCTATGGCCTG
AGAATTAAAATGCACGCCACTGAAAAACAAAAATATTTTTTAATACTAGGCTTCACAAGATGGGCCCACAG
ATCATGTGAGATAGTAGCTGGGAGAGTTATTTTTAAGACACAGGCAGGTGAGTCTCTAATTATATCAAAAT
ACAAAGCTTAATTAGAGAACTTTTAAATAAGAGCATTAATGAGGTCAGGAGAAGGTCAGTTCTCATGAGGC
TGATATACAGAGTTGATCCTCTGGGGCTTTATGACACCAGTGACTCTTAAGAAAAGGGTAGAGAAGAGAAG
CCACCAGACCCTGAGGTATGAAGGCCCCAGTAAAACTAAAAGACAACTAGAACCTGCAGGGGCCAGTGGTA
CCACACATTTGCTTGTCTACTCCTCTATCAGCAAAACTGCCTGAGCCTGCCCCAGGAATCAGGTCCTCTTC
ACACCCTCAAAAAGGGAAAGGGAAGCCAGTTAAGGAGACTTACNNNNNN
Table3 3947
ACCTGGTTTTAACATTATACCAAGGAAGGAGGCACTGAAGAGGGTAGGAAAGACAGTCTTGAATG
GCTGATGCCACCCCTCCCCTATGGAGGAGTGTGGTGCTGAGAGAGAATCTGTGCTTGGGAGAGGGAGAGCA
CAGTGACTATGGCACTTTGTATTGGAACTCAGTGTTTGTTGGTCTGTCTGTCGGAATGGAAAGCAATGCAG
GGCACAATTTCGCTGGTGCCCACAGAGGCTGCATTTAGAACAGCCCTAGCCAGAGAAGAATTTTCCATCCT
AGCAATTGGAACCTGAGTTCCAGCTAGCCCACCGCTGTGGGCTAAAGTGATGTAAGCTCCTAAATAGATTT
GAAAGATAATCTATGCCACAAGGACTACAATTTCTGGGCACAN
Table3 3948
NNNNNNNNNNNCAGGTACTCCCTTTCCCTGACTCAGCCTTTTATTGATGAAGGCAGGGATGGGAT
GGGGAGAGCTCACCTGGCAAAGACTCCACACAGGTGTGCAGCACACCCTGATGGGGCCAGAAAATGTCACT
GTGAGCCCTAGGGGTGAAAGACACAGTGATGGGCTGCTGGGCAACTACCAAGTGTAGAGATCCTGAGTGCC
CAGAGAGTTACCAACCACTTCCCTTCCCTGTGCAGATCAGTGGAGGCAGATACATACACAAAATGGGAAGG
GGAAAGAAAACGGCTTTCAGATCTCCCCACCATAGAGACTATAAGATTATTCCAGAATGGCCACAATTTTT
TCACTGCCCACTCTGGGCCAAACAGTGTCCATACACTACGTCATTCTTATGAGGGTTACTTAGTTCCATTT
TATGATGAGGACATTTAGGCTCAACTTGTCCCAGGTCACATAACTGTTAAGTAATTGTATTTTCCAAGAAT
GATCCTCTTTCAACCTCACGATGATGCTTCCATGGTTGGAAAATAAAATTATTCACAAAAGTGAAAGTACC
TCGANNNNN
Table3 3949
NNNCACGAGGTGCAGTTTGCCATGAAGCGGCTGCTGCCAAGTGTCTGGTCAGAGTCTGAGNATGG
GCAGGGATCGCCCCACCTACCGTCGTCGAAAAGAGGCCCAGCTCTGCCCGACGGCACCATCTTGGCCCTAC
CTTGAAGCCCACCTTGGCTACACGCACAGCAGTCTGGTTGCCAAGGTCCAAAGACCTTAAAAAACCTGGAG
CTAGAAAGCAGTAGACTGGAGGCTTCTACAGACTGTAGGATTCAAGGTGATATTTGCAGACTGGCTTTATG
AGAGACAACACTGATCTACTAGGGGCTGGACCCTAGATTGGTTGCCAGGGCTTGTGTGTGAATCAACCCTA
GGAGGAAAAACCTACTACCAAACCAGAAGAGCAGGCCTAAGAGTACTTTGAGCTTCTAGAAGAAGTAAGCG
GGAAAGGAAGAGAAAGAGTAGAAAGTTGGTGCATCTTCTCCTCCCAAGAGCCTGAGTATAAGAAGTTGGAT
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CATGTTCATGAGTAATTGTAAGTGGCTTCTGGATGAGACCTGGCAGTGTCTCTACATACTTCCTCAGGGAG
ATAGCAATTGAAAATGTAATTGAATAAATAAGGAAAGGAACTGCTATTTGGTGTGTTCCTCTGTGGACCCA
GTTTATTTAATCCTTAAAATAATATTTTTGGGAAGACATTGATTTTGTCCATTTATGTGGATGGGAAAACT
GAGACTCATTAATTTGTCCAATGTCGAACAGCTGGTGTTAGTAGAGCCTAGACTCAAACCCAGCTTTTAAA
GCCCTTGTTCTTTACTCCACTAAACTGTAACCTGTAATCCTGTATGCACTAACAGGAGTTTTCGGTGACCT
TGAAAACACAGATTACTATAATTACTATAATAAATCCCTTACATTCCTGTCTCTAGCATGGTTTAGGGAGT
GCCAAGGCTCAATGTAGATGGGGTCACCTTGTCAGAGCATCTGTTCATACAGAAACTGGGTTTCCTGCAGA
CCCCAGGTGCTGCATAGGATTCCTCAAACCCTACAGGATATATCTCCCCACTGGCTGCTGTCCATTTTGCT

Table 6
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TGTTACCCTGACTCCCCCTCTTCAGCCAGAGCAGTCTTTGTAACTAAAGCTGCCAGCCTGGCTCATCTTTC
CTGACAACGTGCATCTCCTGCCCTGTGATCACCTTTGTGCTTGGCTCCTGCCCTCAGCCTGAATGTGTTCT
AGGAGGCTGAATTCCTGCTTCGAGTCCTGCCCAAGAGCCAGTCTTGGCTCAGCCCTACCTCACTCTCTCCC
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GAGTGAGTGCCTCCTTAAACTTTGTATCCTGTGTGCCTCCCTTGCCTTACCCTAGTCCCAGCCCTGCAGCT
TTAAGTAATTCAGACATGGATTAGCCATTTCCCAGTTCTGTCTCATACAGTCCAGCCTCTGCCACCTTCCC
CACCCCTTCCTTTATTCCATCCTAACTAGTTCAGCCCTAGTCAAGACTGGATAGACTGATACTGCTTTGTT
TCCCCCAGGAACCAACCACCCAACCCCAGTATTCTGGTAATTTTGACAATGATCTATATGAAATTTATTTG
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CACTAAGATAAAGATTATGTATATATGTATTTTAAGGGATTTATTATAGGGATCTGACCGCATGCCATTGT
GGGAGCTGGTTAAACAGTCTCTGTAAGGCTGTTGTCTTTGCATCTAATGCTGGAGCTTGAAGTCTGCAGGG
CAGGCACTCGGGAAGGGAAGATGGATGTAAAGTGTGGGAGACCGAGGACACAGTGGAGCCCACGAGCACGA
GCTGGAACCCACGAGGATGGCCTGGAACCCATGTCAGTCTCTCACCACCTCCAGCTTCGATGATGTGGGTG
TCCTGCAGAAGAAGCTGGTGCCCTTCCTCACAGAGTTAAATATGCATCTGGCCCAGGAATTAGAGAAGCTG
AAAGGATGATCCTGGGGAAGGTGGAGCAGCTGCAGGCCTGGCTGCAGGCCTGACTACTGCCCACACCAACG
AGGTGATCTAGCAGATACATGGCAACGTGTGAACTGCAACAACGCCTGGTGCCCCAGCACCAACCTTCCAA
GTGTAAAAACAATGTGCTGCTGCTTCACTTCCGCCCTCCGGTTATCAAGCAAAATGTCTCTTGTGGCCCAT
CTTACTGGAAGAGAGTTCCGGTAAACATAGCCTTACCAAGGTGACACATTACAAAGCCACCCTACCANNNN
Table3 3951
NNNATGGAATTAAGAAAGAAACTTGTGTGTTGTCTGGTTTTAAAACTGTTTTTTTAAGGCATGTAA
TGTTGCTTATTTTACCTTTTTAATTCTCCCTGAATAACATTTTCTTTCTTCCACTCAGTGAACATCCCAAA
ATAGAATTTTACTTGAAAAACTTTACATCAGCCAAAGATGTTTTGTTTGCCATAAAGGAAGTAGGTTTCAG
AGGGGGTAATTCCAATACAGGTAAGTAGACTTTGATACCTGGGATGTAACATAGGAGAGGGTTATCAGTGA
TCATACATGTAAAACAGTATTATGCTATTTTATATGAGCAGATGTGAAATCCTCCTGGAACTGAAATCTTG
GCTAGGTCTGCATTTGATCATCTGAGATAAANNNN
Table3 3952
ACCTGGTTTTAACATTATACCAAGGAAGGAGGCACTGAAGAGGGTAGGAAAGACAGTCTTGAATG
GCTGATGCCACCCCTCCCCTATGGAGGAGTGTGGTGCTGAGAGAGAATCTGTGCTTGGGAGAGGGAGAGCA
CAGTGACTATGGCACTTTGTATTGGAACTCAGTGTTTGTTGGTCTGTCTGTCGGAATGGAAAGCAATGCAG
GGCACAATTTCGCTGGTGCCCACAGAGGCTGCATTTAGAACAGCCCTAGCCAGAGAAGAATTTTCCATCCT
AGCAATTGGAACCTGAGTTCCAGCTAGCCCACCGCTGTGGGCTAAAGTGATGTAAGCTCCTAAATAGATTT
GAAAGATAATCTATGCCACAAGGACTACAATTTCTGGGCACAN
Table3 3953
ACTTTTTTTTTTTTTTTTCTTTAGGGGCACAGAGCTAGCAAAAGAGCCAGGAATCAACCCTTATT
TTGTCTTATTCCAAATGATATAGTGTTTGTATTCTACCAAGTCAGATAAGTAGGTGGAGAAAAGACAAAGT
GACAAACCACAGGAGGGACAAAGAGATTATGCCTTCATGCTTCCCTGCTCCTTGAAAATGTAGTATATGCC
AAGTTTTCATTGATTCAGTGGGTAAGGCAAGGGACACTGGCCTGGTGCCAGTTCAACCACTCTTTCAGTCT
CTTGTTTATTCAACAAGCTGTTCCACTGGGTCCTGGGGAAGAGGGAATTATTTGGGGTGGCAGCCCATGGC
ATATGTCCTGATGCAGCCCATGGCATATGTCCAAGCCCCTCCCAGTGTGACACTCTTGTGACCAGGGTCCA
TATGCTCATGGCACTCCCTTGGACTTGGCTATTTTTTGTTGCCTCTGGGACTGCAGGCTAAATACNNN
Table3 3955
NATTCTCCTGTGAAATTTTCTCCCAGTGGCGCCCATCTCCGGGGGGGCCTCTTTGTCTCTTCTCC
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GCGAGGTGAAGACTCCACCATGGCGGGATTGTCCATAGCCATAGCGCCTTGCCCGGTTATCATCACGGCCA
GCTCCAGACATCTTGTCTAGCCATATAGAATGGCAAGATATGAGCGGCAGAAGGCACTGCTTTGATGAAGA
CAGGAAGGGTGCCATCAGTGCAGCCCCCCGCACCACAGCAGCCACACCCATTTTTGTGGACACGAGGCAAC
GTAAGTACTGTGGCATGGCGCAGTGGGTGACAGATGGCCACATAGCGGTCAAAAGCCATGGCCAGCAGCAC
TGTGGATTCCATGCCAGATAAGGAGTGGATGGCAAACATCTGTAGCAGACAAGCATCAAACTGGATGGTAG
TGGAATTGAACCAGAAGATGGCCAGCATTTTGGGCATGGATGAGGTGGAGATGAGGATGTCAATGCCTGAA
AGCATGCAAAGAAATATATACATGGGCTCATGCAGGCTGTGCTCAGTCCGCACAATGTAGATGATTGTCAA
GTTACCTAGCACAGCAATAAGGTAGAGGGAGCACAATGGGAAGGCCAACCAGAACTGAGCCTCTTCTAAAC
CAGGGAGGCCTATTAGGATGAAGTATGTAGCACTGGATTCATTGCCATTGGGATCCACCATCATGAAGAAG
CTGAACTGTGACCAGCACCAGGCAGGTAGAGGCTCAACCGTATGGAAGGAATGTGTGACCCCCTTTGTCCA
GTCNNNN
Table3 3956
acaccacctgagtccagaaagggaggtgtcaacaaaagaagataagcccatacagtgcacacctc
agaaagccaAGCCAATGCGGGCAGCTGCTGACCtgggaGGGAGAAGATCCTCAGGCCACCAGTAGAAAAAT
GGAAGAGACAGGATGACAAAGACTTAAGAGAAAAACGTTGTTTTATTTGTGGAAGAGAAGGGCACATTAAA
AAGGAATGCCCACAGTTTAAAGGCTCTTcAGGCAGTGCTTTTACATGAAGACAAAAAGAAACAAAAAACAA
CAATATTTTTGAGTCCCCAGTCAGGTAGCCTTTCCAGTAAATATATGACTCAGGGAAAAGCCTCAGCGAAG
AGGACCCAGCAGGAATCATGAGGGAAGGAAAATGCAGCACTCTAAATGGCCACTCAGGCGTTCCTATTCAC
TCGGAAAATTAGGTTCATTTCACAGGACACAGCAGTGTAGATCAGGCTTCAACTTAACATTTAAGGGAAAT
GTCAGATTTTTTTTTAATTTAATGAAATTGTTAATGAGGAAAAATTTTTAATATAGTCTTATCTACCACAC
ATCCCCATAGATTTAAGGATTTTAATAGAAAGTCATGATGTATGTATTTAAGCCACGTTAAAAGAAAAAAT

Table 6
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ATAACTATGGACCGGTATTCAGTGAATACAGTTTCATGGTTTTTAATTCTTTCAAAGCACATTAAAAATGG
TGTGCTGATAAACCCCAAGTAAATTAACCCTTTTTCCGTATAAATCCATTTTTTGTTTTGAAGAGGGGAAA
TTATATTTATTGTTGTTTACTGAATCCTGGTGTGAAAGCATATCAGATATGTATGAACTGCTACTGCTGTA
CTTCCGATTTACGGACATCATTTTATTGCTATTTGTAGACGTGATAACATGAACATGAGTACCTATTTATG
TGGGCCTTCAGTGGATGGGCAGTGCCACTCAGGTCTCTGGGGTTTCCCTCTCTAATTTTAAGTAAATTGAC
ATATAACTACTATGCTTATAAAAATGAAGTAAGGAAAACAAGTAGTCCTGTTTGCCACTAAAAACATTTTC
AAAGGAAAAATAAAATGAAAGTACTTTTTACTTTTTATGATACTCAGAAATTAGGATGAAGAACTTTTAAA
ATTGCTGAAGATCAAAGAGGTTATCTCTGCCAGTCACAAGTGTGGCTGGTGTCATTCTGGGTCTGACTGGA
GCCCTCCTGGACTGTTTCTTTAATTTCAAAAGCCCTGCAGACATAGTACCTGGTCAGAACTATGCCTCGGT
TTATTTATCATTTTGAAATAAAATCAAAATTTCAACCTGTaAAAAAAAAAAAAAaag

Table3 3957

CCGGGCAGGTACGCGGGGGCTGGGGTCTCAGGAGGCAGCGCTCTCGGGACGTCTCCACCATGGCC
TGGGCTCTGCTGCTCCTCACCCTCCTCACTCAGGGCACAGGGTCCTGGGCCCAGTCTGCCCTGACTCAGCC
TGCCTCCGTGTCTGGGTCTCTTGGACAGTCGATCACCATCTCCTGCACTGGAACCAGCAGTGACATTGGGG
GTTATAACCTATGTCTCCTGGTATCAACAACACCCAGGCAAAGCCCCCAAACTCATGATTTATGATGTCAG
TAATCGGCCCTCAGGGGTTTCTAATCGCTTCTCTGGCTCCAAGTCTGGCAACACGGCCTCCCTGACCATCT
CTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCATATACAAGCAGCAGCACTCCTCTATTT
GTCTTCGGAACTGGGACCAAGGTCACCGTCCTAGGTCAGCCCAAGGCCAACCCCACTGTCACTCTGTTCCC
GCCCTCCTCTGAGGAGCTCCAAGCCAACAAGGCCACACTAGTGTGTCTGATCAGTGACTTCTACCCGGGAG
CTGTGACAGTGGCCTGGAAGGCAGATGGCAGCCCCGTCAAGGCGGGAGTGGAGACCACCAAACCCTCCAAA
CAGAGCAACAACAAGTACGCGGCCAGCAGCTATCTGAGCCTGACGCCTGAGCAGTGGAAGTCCCACAAAAG
CTACAGCTGCCAGGTCACGCATGAAGGGAGCACCGTGGAGAAGACAGTGGCCCCTACAGAATGTTCATAGG
TTCTCATCCCTCACCCCCCACCCACGGGAGACTAGAGCTGCAGGATCCCAGGGGAGGGGTGAGGGTTGAGA
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GCTTCTGTGGGACTTCCACTGCTCAGGCGTCAGGCTCAGATAGCTGCTGGCCGCGTACTTGTTGTTGCTCT
GTTTGGAGGGTTTGGTGGTCTCCACTCCCGCCTTGACGGGGCTGCTATCTGCCTTCCAGGCCACTGTCACG
GCTCCCGGGTAGAAGTCACTTATGAGACACACCAGTGTGGCCTTGTTGGCTTGAAGCTCCTCAGAGGAGGG
CGGGAACAGAGTGACCGAGGGGGCAGCCTTGGGCTGACCTAGGACGGTGACCTTGGTCCCAGTTCCGAAGA
CAAATACCACAGTGCTGCTGCTTGTGTATGAGGTGCAGTAATAATCAGCCTCGTCCTCAGCCTGGAGCCCA
GAGATGGTCAGGGAGGCCGTGTTGCCAGACTTGGAGCCAGAGAAGCGATTAGAAACCCCTGAGGGCCGATT
ACTGACCTCATAAATCAGGAGTTTGGGGGCTTTGCCTGGGTGCTGCTGGTACCAGGAGACAAAGTTATAAT
TCCCAACAGCATCGCTGGTTCCAGTGCAGGAGATGGTGACTGACTGTCCAGGAGACCCAGACACGGAGGCA
GGTTGAGTCAGGGCAGACTGGGCCCAGGACCCTGTGTCCTGAGTGAGGAGGGTGAGGAAGAGGAGTGGGGT
CCAGGCCATGGTGGAGACGTCCCGAGAGCGCTGCCTCTTGTGACCCCCCCCGCGTTAATTAATTCTAGAAG
tatttcgaa

Table3 3958

NNGTCAACTGGNAACCTCAGTAATTCAGACCCCACATCCCCGAGGTACATCACCCTGCTGAGGGA
CATCCAGGACAAGGTCACCACACTCTACAAAGGCAGTCAACTACATGACACATTCCGCTTCTGCCTGGTCA
CCAACTTGACGATGGACTCCGTGTTGGTCACTGTCAAGGCATTGTTCTCCTCCAATTTGGACCCCAGCCTG
GTGGAGCAAGTCTTTCTAGATAAGACCCTGAATGCCTCATTCCATTGGCTGGGCTCCACCTACCAGTTGGT
GGACATCCATGTGACAGAAATGGAGTCATCAGTTTATCAACCAACAAGCAGCTCCAGCACCCAGCACTTCT
ACCTGAATTTCACCATCACCAACCTACCATATTCCCAGGACAAAGCCCAGCCAGGCACCACCAATTACCAG
AGGAACAAAAGGAATATTGAGGATGCGCTCAACCAACTCTTCCGAAACAGCAGCATCAAGAGTTATTTTTC
TGACTGTCAAGTTTCAACATTCAGGTCTGTCCCCAACAGGCACCACACCGGGGTGGACTCCCTGTGTAACT
TCTCGCCACTGGCTCGGAGAGTAGACAGAGTTGCCATCTATGAGGAATTTCTGCGGATGACCCGGAATGGT
ACCTCGGCCGCCACCGCGTGGAGCTCCAATTCACCCTATAGTAGTCGT

Table3 3960

NNACTGTTTCATCAACAAGGGTGCAACATGNGATAGCATAAGTCATTAGCATAATCCAAATGCTT
GCTAACGGCCTTTGGAATGCCTAAACTTAAAAAAGTACACTACCAAGGACTTGGAAAGAATCTCGCACTCC
AACGCCAAAGAATCTATTGCATATTAATCTTCATTAGAAAAAAAATTGATTGGGGACCTAAAGACAAAAAT
AAGCCTATTGTGCAATAGCAAAACATTAAAAAAATTTAAAAAGCTTTAGGAAATTTCATGTCATTGTACAA
AGATGCTACACCGGAGAAAGGGGGATCTGGTGATCCTAATTTTGTCACCAGCTTTGAAATCTTTAGCTAGG
CATTTCAGCCCTATAAAAATCCATTTTCTCACTTGTAAAAAGAAGAGTTGAAGTTATGTTTTTCCAGGGCT
TTTTTCTCTGACAAACCGAATTGCAGAACAATTTTATGACTCAACCAACGTAGCAGAGTCCAGAGAGAGTT
TGAAAAAACACCTTACAAAACTTATAACTGAAGTTCTCCCTCCAAGGGCACTTAATTTTTTCAAGTGAAAG
CATGCATGCAGATTCATCCAGCTGTTACCCTGGAAGAGGACAGAGTAAATATACTCCATTTTATATGAAGC
CCAAAGTGTGATTGTTAAAAATCCCCATGCACAATTANNNNNN

Table3 3961

TACAGTTCAGCCCTTCTCGACTGGAGGCGGTTCTGCCTATTCCGCTCCCCACCTGGACACTTAGC
AATGCCTGGAGACATTTTTGATTGTTGTAAATGGCATCTAGCAAGGATGCTGCTAAATATCCTATAATGCA
CAGGACAGCTGGGACCCTCCCCCCGCCAACAAGGAATAATCCACCCAAGGTCTCCATAGCACTGAGGCGCC
GACAGCTTGCAGTGGCTCACGCAGGAGGAAGGAGCCTGGCGCTTTCTAGACGCCTCCTCTGAGAATATTAC
GAATGCACTACATGCTAGGCAGAAAGGATTGTGCAAGATCATTATGCTAATCGTTGTAACCCTGTGCACTG
TAAGATCCTGGAATATGAATTATCGCAGTAAAAATTCCGTCCAGCGTGGTTGGGATGTGTTGCGTCAACAG

Table 6
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TATGGTCGCTACAACCCAGCACTCTCTGGAGAAGAAAAACAGTGATGAGGTGACTGCTGAACCAGCTTCAC
AGGGAAGAAAGGAAGGTCAACAGAAATACTCTCAACATGGGGCAGCATGGGCGGCGGCAGCTGTCCGCCTT
ACCGCTCAATGTGCANN
Table3 3962
NNCATCACATCTCAACATCTCAGAGCCATCCTCTAAGTGTCACATGTTCCCTCTTAATCTTCTCC
ACCAAAAGCCCAGTTTTTTTTTCTTTTTTTACACAAGGCCACTCCATTTACCCCCACTTGCCGCTAACCTG
CACTCTTGTCCAATATACCCCTGACCCAAATATTGTTTTTCGACCCCTCACCAAGTTAGAAATCCGGCCCT
TTCACAAAGGTCAACATTTTCAGCTTCTTTTAGCAGGAATGCTCCTTCAAAGGGTATCTGCATTCCTGTTC
CCACAGCCCCCAGCATTCCTTGTCCTTTAGCTGCCTGGCTTCTCTAGGCACCTGAGTTCATGGTCCTGGGT
TAGAAGCTGCAGAAAGGACTGTGCTGACTCCCTCAACTAAGGGGTGGTACTACCGCTTGCTCCTCTCAGCA
GCTGACATCCCAGAGATCAGTTTCCTTTCTGGGAGGGACTCCTCATTGAGGGGGGTGCAGAAGACCTGCAG
ACCTGCATCAACCCTGGTCTTTGAGGCTTCAACTCCTGAAAATCAATCAATTGAGCCCTACCTTTACCAGA
CCTTTAGTCTCTCTTCTTCTGTTTCTTTTTGGCTTTCTGGACAGTGCTGACTCCAGCTCTTTCCTTCTTGG
GATGCTGCTGCCTCTTCCTCTTACCTCTGCTGCTTGAGCCAGTGTGTGCTCTGCTCTCTGCTTCCCTAGCC
CCGCTATCCTTCTCATCCCTTACATCCAAGATGTCCTCCTCCTCTTGATGCTGCTGTCTTTTCTTCTTGCT
TTTCCTGCTTCTTCCATCACTGCATGCTCTGCTCTCTGCTTCCCTGGTTCCACCACCTAAAACAGTTTCCT
CACCTCTATCTTCTAGGTTCAAGTCCTCCTCCTCCTGTTGCTGCCTCTTCTTTCTTCGGCTGCATGGGTCA
GCATATGCCCTGCTCTCTACCTCCTCTGTCCTGACACTGCCTGCAGCCTCCTTGCCTTTTCCTCCTTCCTC
CAAGACCCCCATCTTCTCCTCTTCATGGTGCCACCTCTTCTTTTTCTTCCCTTTCCTGAGGGACTGATTGG
TTTGCTCTCTGCTATTCAATTCCCCAAGCCCACTTGTTCCTGCAGCGTCCTCCTTCTCATTCCCTTTAGTT
GTACCCTCTCTTTCATCTGAGACCTTTCCTTCTTGATGTCGCCTTTTCTTCTTCTTGCTTTTTCTGATGTT
CTGCTCAGCATGTTCTGGGTGCTTCTCATCTGCATCATTCCTTTCAGATGCTGTAGCTTCTTCCTCCTCTT
TCTGCCTCCTTTTCTTTTTCTTTTTTTTGGGGGGCTTGCTCTCTGACTGCAGTTGAGGGGCCCCAGGGTCC
TGGCCTTTGAGACGAGCCAGGAAGGCCTGCTCCTGGGCCTCTAGGCGAGCAAGCTTGGCCTTCATTGTGAT
CCCAAGACGGGCAGCCTTGTGTGCTGTTCGCCCCTCACAGGCTTGGAGCAGCATCTCATCAGTCAGAATCT
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GAAGTCAATGTAGCCATCTTCACAAACTTCTGATACAGCAAGTTGGGCTTGGGATGATTATAACGGGTGGT
CTCCTTAGAAAGGCTCCTTATCTGTACTCCATCCTGCCCAGTTTCCACTACCAAGTTGGCCGCAGTCTTGT
TGAAGAGCTCATTCCACCAGTGGTTTGTGAACTCCTTGGCAGGGTCATGTCCTACCCCATGAGTGTCTTGC
TTCAGTGTCACCCTGAGAGCCTGAGTGATACCATTCTCCTTCCGGCCGAGGCCTTTGCCTTGAGTCCATCC
ATGCTTTAGCAGCTGCTCCTCAGCAAACTTCATCCCACGACTCTTGACCTCTGGGGTGACATTCATGGTGA
GAAAAAAGTCTCTATCCTCAGACTCTCACCAGAGAAGAAGAGGTGATATCATCCGTCATTGCTGGGTCCGC
TCCGCGGAAACATGTGCCGGACCTGACTTGTGCGCCGCCATCTTCCCCGGCATGCCGCTGCCCGCCCGGCC
CGCTCTTAGAACTGAGTGGATCCCCCGGGCTGCAGGNAATTCGATGATCAAGCTTATCGATACCCGTCGTA
CCTCGAGGGGGGGGGCCCGGTACCCCCAGCTGTTTGTTCCCNNNNN
Table3 3963
NCTGGGAGCCTGGGCCGGGAGCCGGGTGAGGGCGCCGAGAGGCTCGGTGGGCGCGGGCGGCGAGA
TATGCCACACTTCTGCCTGCTGTTGGCAACCCTCCTGGACTAGGCTGCTCTTGTTAATCACATGGATGTTA
TATAAGAGTTCGGACCGCCCAGCACACAAGGTCAGCATGCTGCTCCTCTGTCACGCTCTCGCTATAGCTGT
TGTCCAGATCGTTATCTTCTCAGAAAGCTGGGCATTTGCCAAGAACATCAACTTCTATAATGTGAGGCCTC
CTCTCGACCCTACACCATTTCCAAATAGCTTCAAGTGCTTTACTTGTGAAAACGCAGGGGATAATTATAAC
TGCAATCGATGGGCAGAAGACAAATGGTGTCCACAAAATACACAGTACTGTTTGACAGTTCATCACTTCAC
CAGCCACGGAAGAAGCACATCCATCACCAAAAAGTGTGCCTCCAGAAGTGAATGTCATTTTGTCGGTTGCC
ACCACAGCCGAGATTCTGAACATACGGAGTGTAGGTCTTGCTGTGAAGGAATGATCTGCAATGTAGAATTA
CCCACCAATCACACTAATGCAGTGTTTGCCGTAATGCACGCTCAGAGAACATCTGGCAGCAGTGCCCCCAC
ACTCTACCTACCAGTGCTTGCCTGGGTCTTTGTGCTTCCATTGCTGTGATGCCACCATTCCTAGGAGAGGC
AGAGACCAGCCTCTAAAGCACAAGCCAAAAACTGTGTGAACGGTGAACTTTGGAGTGAAGATCAATCTTGC
ACTTGGTGAAGAGTGCACATTGGACCTCAAGGCGAAAGCCAGTGGTTTGCTTGGATAAAATGTTCCCGCAT
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AAAGAGAGCTACGTTTGGGCAGTTCTGCAGAGAGGATCCTGGCAACTAGTCCCACCTGACTAGGCCTTTAG
CTGAAAGGATTTCTTGACCTCCTTGACTGCCTCAGAGGCTGCCAGGTCAAACCCTCTTGTTTATGTGATTA
GCTCAGAGCATCTCTATGAAATCTAACCCTTCCCCTCATGAGAAAGCAGTTTTCCCCACCAACAGCATAGT
CAATGAGAAAGGCAACTGTACGAAGAAAACTTCCAGTGGAACTAATATGAAATCTATTTGCAAATTATGGG
GGGAAATAAAGCTTTTAAATTATACAATGNNNNNNNNNNNNNNNNNN
Table3 3965
gaggtccccgggaggcatcactggtccccgggagttcaagactgcattgagccatgatcgtgcca
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gccataatacacgcctccacatagaaattatcctaaacaccaactttactatatgtaaacaAATATcCcca
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TCACCTGAGTGAATTGGATTTTACATTTTCTTTTCTGAAGGTATCTTTACATATAAAGATTATAACTTGCA
TTTATTTATAAAAGAGAGTAACATGGATTCTTTTCTTTTTGCAGAAAATGGTGTGAATGGAACATTAACTT
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Table 6
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GTCCCCAAAGAAATCTGCTTTCTACTATATCTTTCAGCATTAGAGATTTTTCTGTTCTTGAAAATACAGTC
TGTGCTCctgattggtatggaagggtaatgcatttgttaagggattgaggggaggaacatgctggaatgac
aaatattaggtaaatagtacgcttaaaagttgggcccacatattatggattgaaattcaagatgggaactt
gacatccttaggaatggtcaattaaaggggcaacaagatagcgaaaaaggaaaaaggatagggaaaagaaa
gggtacaaataaaatataga
Table3 3966
NGTCACCCAGGCTGGAGTGCAGTGGCGCAATCTCAGCTCACTGCAACCTCCACCTCCCTGGTTCA
AGCGATTCTCCTGCCTCCTCCGCCCGACGCCCCGCGTCCCCCGCCGCGCCGCCGCCGCCACCCTCTGCGCC
CCGCGCCGCCCCCCGGTCCCGCCCGCCATGCCCGGCCCGGCCGCGGGCAGCAGGGCCCGGGTCTACGCCGA
GGTGAACAGTCTGAGGAGCCGCGAGTACTGGGACTACGAGGCTCACGTCCCGAGCTGGGGTAATCAAGATG
ATTACCAACTGGTTCGAAAACTTGGTCGGGGAAAATATAGTGAAGTATTTGAGGCCATTAATATCACCAAC
AATGAGAGAGTGGTTGTAAAAATCCTGAAGCCAGTGAAGAAAAAGAAGATAAAACGAGAGGTTAAGATTCT
GGAGAACCTTCGTGGTGGAACAAATATCATTAAGCTGATTGACACTGTAAAGGACCCCGTGTCAAAGACAC
CAGCTTTGGTATTTGAATATATCAATAATACAGATTTTAAGCAACTCTACCAGATCCTGACAGACTTTGAT
ATCCGGTTTTATATGTATGAACTACTTAAAGCTCTGGATTACTGCCACAGCAAGGGAATCATGCACAGGGA
TGTGAAACCTCACAATGTCATGATAGATCACCAACAGAAAAAGCTGCGACTGATAGATTGGGGTCTGGCAG
AATTCTATCATCCTGCTCAGGAGTACAATGTTCGTGTAGCCTCAAGGTACTTCAAGGGACCAGAGCTCCTC
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TCGAAGGGAACCATTCTTCCATGGACAGGACAACTATGACCAGCTTGTTCGCATTGCCAAGGTTCTGGGTA
CAGAAGAACTGTATGGGTATCTGAAGAAGTATCACATAGACCTAGATCCACACTTCAACGATATCCTGGGA
CAACATTCACGGAAACGCTGGGAAAACTTTATCCATAGTGAGAACAGACACCTTGTCAGCCCTGAGGCCCT
AGATCTTCTGGACAAACTTCTGCGATACGACCATCAACAGAGACTGACTGCCAAAGAGGCCATGGAGCACC
CATACTTCTACCCTGTGGTGAAGGAGCAGTCCCAGCCTTGTGCAGACAATGCTGTGCTTTCCAGTGGTCTC
ACGGCAGCACGATGAAGACTGGAAAGCGACGGGTCTGTTGCGGTTCTCCCACTTTTCCATAAGCAGAACAA
GAACCAAATCAAACGTCTTAACGCGTATAGAGAGATCACGTTCCGTGAGCAGACACAAAACGGTGGCAGGT
TTGGCGAGCACGAACTAGACCAAGCGAAGGGCAGCCCACCACCGTATATCAAACCTCACTTCCGAATGTAA
AAGGCTCACTTGCCTTTGGCTTCCTGTTGACTTCTTCCCGACCCAGAAAGCATGGGGAATGTGAAGGGTAT
GCAGAATGTTGTTGGTTACTGTTGCTCCCCGAGCCCCTCAACTCGTCCCGTGGCCGCCTGTTTTTCCAGCA
AACCACGCTAACTAGCTGACCACAGACTCCACAGTGGGGGGACGGGCGCAGTATGTGGCATGGCGGCAGTT
ACATATTATTATTTTAAAAGTATATATTATTGAATAAAAGGTTTTAAAAGATAAAAAAATATTAAAAATAA
AAACTCGAGGGGGGGCCCGGTACCAATTTCGCCCTTAGTGAGTCGTTTTACGCGCGCTAATTGGCCGCN
Table3 3967
GCGTCCGCGGACGCGTGGGCGCGGGGCGCCGGCTGCTCTGGCGGCTCCCGCGGCTCCGGCTGGCG
GCTTCGGGCCCTGCACCTGTGACTCTCGGCCGCGCTCGCCCTCGGCCCGCCCGGCGCCGCAGCCCCATGGC
CCCGTCCAGGCTGCAGCTCGGCCTCCGCGCCGCCTACTCCGGCATCAGCTCCGTGGCCGGCTTCTCCATCT
TCCTCGTCTGGACGGTGGTCTACCGACAGCCGGGGACCGCGGCCATGGGAGGGCTCGCAGGGGTGCTGGCA
CTGTGGGTCCTGGTGACGCACGTGATGTACATGCAAGATTATTGGAGGACCTGGCTCAAGGGGCTGCGCGG
CTTCTTCTTCGTGGGCGTCCTCTTCTCGGCCGTCTCCATCGCTGCCTTCTGCACCTTCCTCGTGCTGGCCA
TCACCCGGCATCAGAGCCTCACAGACCCCACCAGCTACTACCTCTCCAGCGTCTGGAGCTTCATTTCCTTC
AAGTGGGCCTTCCTGCTCAGCCTCTATGCCCACCGCTACCGGGCTGACTTTGCTGACATCAGCATCCTCAG
CGATTTCTGACCCAGGGGGTGAGGTCTCTGCACCCTGGGGGGGCCTTAGGACCTGGACTCAGCCTCTGAGA
TGTTGGGAGAGGCTACTCCCACCCCCTGGTGACCCCAGAACTGTGGCAGAAAATACACAGCAGGACGAGTG
TGGTCTCCCAGGAAGCTGTCCTGCCCGTCCCCTTTCGAGGAAACCTGAGTGTGGTAGAGAGGGGATCCTGC
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CTGGGATTACAGGCATCTGCCACCATGCCCGGCAAATTTTTGTGTTTTTAGTAGAGACAGGGTTTTGCCAT
GTTGGCCAGGCTGGTCTCGAACTCCTGATCTCAGGTGATTCACCCGCCTCAGCCTTCCAAAGTGCTGGGAT
TATAGGTGTGAGCCACCGTGCCCGGCCTGGATCTGTTTTCTTAGCACGCAGTGAGGAATCTTTGTACTTAA
GGCCAGGGCAACAAAGTCAAGAGGTCAAGGTGTAGGGCCATGAGGCCTGGACCTATGCTGCAGGCAAGGGT
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TATCTAGCAGAGACCTCTTAAACCCCCATCCCAGCACCCCATCCTGTTGTTCCCAGAGCTGGTCTCCCATG
AGTGTGCTAGAGCCAGATAGCCGTGGCCCCCCACCCATCTCACTCACACACACAGGCATCCATACACCCCA
GAAGACTTCCCAAATGAGGCCAGACTCAGGGTCACGGGGAATGTGCTTCTGCCCCTGTAAGGGCTTTGGGG
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CATTCTGCCTTCTCAGAGTGCCCTTGCTGCACCCAGACCACCGGCCAGGAGAGACCTTCTCTCCCACTCCA
GCCCCTCTCACTGCCCTTCAACTAGAGCTTTCACCTTTTTACATTTCCCTTCTGAAGGACACAAATCTGCT
TTTCTGCCCATACACTGGCCCAAGGGCTCACCTAACTTGGGAGGGAAGGGGCTGTTGGTACAAGGATGATT
TTCTGTTAGACTGCCATTTTGCACGGTCTCCCCCTTCCCATCTGATGTGTCCTGCCCCTCAGCTCTTTGCC
TTATCTGTGTCACTGTCACTTTAGCAAAAATACAGCGGCCATTTGTATCAAAAAAAAAACCCGGGTTGCCC
CCCTTTTCGGGCGGGCACAGATTAATGGGAGGGCTGTTCCGCCCCCTTTAAGGGGATGCGCCCCTANNN
Table3 3970
NNNNNNAGCCGCGCCGAGTCTGCCGCCGCCGCAGCGCCTCCGCTCCGCCAACTCCGCCGGCTTAA
ATTGGACTCCTAGATCCGCGAGGGCGCGGCGCAGCCGAGCAGCGGCTCTTTCAGCATTGGCAACCCCAGGG

Table 6
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GCCAATATTTCCCACTTAGCCACAGCTCCAGCATCCTCTCTGTGGGCTGTTCACCAACTGTACAACCACCA
TTTCACTGTGGACATTACTCCCTCTTACAGATATGGGAGACATGGGAGATCCACCAAAAAAAAAACGTCTG
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GGCTTCAGCAAGAACGACTTCGTGATGCGTGCCCGCTCCAAGGTGTATCACATCGAGTGTTTCCGCTGTGT
GGCCTGCAGCCGCCAGCTCATCCCTGGGGACGAATTTGCGCTTCGGGAGGACGGTCTCTTCTGCCGAGCAG
ACCACGATGTGGTGGAGAGGGCCAGTCTAGGCGCTGGCGACCCGCTCAGTCCCCTGCATCCAGCGCGGCCA
CTGCAAATGGCAGCGGAGCCCATCTCCGCCAGGCAGCCAGCCCTGCGGCCCCACGTCCACAAGCAGCCGGA
GAAGACCACCCGCGTGCGGACTGTGCTGAACGAGAAGCAGCTGCACACCTTGCGGACCTGCTACGCCGCAA
ACCCGCGGCCAGATGCGCTCATGAAGGAGCAACTGGTAGAGATGACGGGCCTCAGTCCCCGTGTGATCCGG
GTCTGGTTTCAAAACAAGCGGTGCAAGGACAAGAAGCGAAGCATCATGATGAAGCAACTCCAGCAGCAGCA
GCCCAATGACAAAACTAATATCCAGGGGATGACAGGAACTCCCATGGTGGCTGCCAGTCCAGAGAGACACG
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GTCCTATTGAGGCATGAGGAACATTCATTCTGTATTTTTTTTCCCTGTTGGAGAAAGTGGGAAATTATAAT
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CTTTCAGGAAGGTGGAGCTGCATTGGTTTGATATGTTTAAAGTTGACTTTAACAAGGGGTTAATTGAAATC
CTGGGTCTCTTGGCCTGTCCTGTAGCTGGTTTATTTTTTACTTTGCCCCCTCCCCACTTTTTTTGAGATCC
ATCCTTTATCAAGAAGTCTGAAGCGACTATAAAGGTTTTTGAATTCAGATTTAAAAACCAACTTATAAAGC
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CTTTTCCCCCAAAGATGTGTATAGTTATTGGTTAAAATGACTGTTTTCTCTCTCTATGGAAATAAAAAGGA
AAAAAAAAAGGAAACTTTTTTTGTTTGCTCTTGCATTGCAAAAATTATAAAGTAATTTATTATTTATTGTC
GGAAGACTTGCCACTTTTCATGTCATTTGACATTTTTTGTTTGCTGAAGTGAAAAAAAAAGATAAAGGTTG
TACGGTGGTCTTTGAATTATATGTCTAATTCTATGTGTTTTGTCTTTTTCTTAAATATTATGTGAAATCAA
AGCGCCATATGTAGAATTATATCTTCAGGACTATTTCACTAATAAACATTTGGCATAGANNNNNNNNNNN
NNNN

Table3 3971

NCTGCTTTCCTCCTAACCTCAAGTGAGCCGCCTGCCTCGAAGATGCTTTATTTATAAGCGCTTTG
GACACACTTTAATAAATGCTCTATTGTATACAGTTGAACTCTATATAACATTTTGAATAATATTGTTAATG
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ATTTGAAAGGAGNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
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AAAAAGGGGGGCCCCCCCCCCAAAAAAACTTTTTTTTTCCCCCCCCCCCCCTTTTTAACCCAAATTTTTCC
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GGGTTTTTTCTTTATGCAAAAAGGGGGCTTTTTTTAAATTGAAAGGCCCCTTGCCCCTAACGGGGGGAAN
NNNN

Table3 3972

NNNNNNNNNNNNNNNNNNNACCTCTGGTTGGAGAAATGCCAGGTTAAAGGATAGCAAATGGCTTA
AGCACAATGGCACTTCTGGTTATTCGGCAGAGTGTCCAGTAAGTCCATAAAGTTCCACCGCTATACCACCA
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CCTTCAGGTCTCCAAGGAATGCTAAGTCTGCCTCCCTGCCGTGAGAGACACGAAGTGAACTTAGTGTTGGG
AGATGGAAGCTGGATGGCCCTCAGGGGCTGACCCGCAGGGTGCCAGACTTCGGAATATAGCGGAGAGAGCT
TGGCATGACTTATTACTCCAGGCTGTAGAATCCTGGAAAAGAGCTACCATGCAGCCCACACCTGGTCGACT
GGAGGACCACCTTAGTGGAAGGGGGACAATCAGGGCCTCTGGCCTGCCATGTGCACAAGCATAACAATTGC
TTTTGTTTAACGTGCAGATGGAATATTTGATCCATTTCAACCAGGCATTTGCATCTTGGTATGCTGTCTTA
ATTGCCAAAGTTTGTTTTAAGTCTTTAACTTCTATGATCCTTTAGTAAAATGAATGCTTCCTTTAGCACCT
ATTTTTATTAGTTTTTAGACCAAAGAAAGCTAAACACCATTTTATATTTAATAATGCTTCTTGTATGATTT
TTATACCAGATAAGCTAAATTTTACCTTTATATTAGTGTGTTATTAATGTTAAACTTAATTTTAATAAAAC
CTTGTAGACATATTTATCCAATTTTTCATGTTTGACCATAAGGTAAGATTTTATAGACTCTTTTTAACCTT
TTATAATTTTTGTTAAAGAGCAGGTTGATGCTTTAAGAAAAACCTGTTGCATTTTTTACTTTAATGTCCAG
TTCACAGAAAAACTGGATGATACCTTTTTAACTTTAGCTAATATGTTTACACACAGAATTTTCTTTACAAT
TAACGTTTTAAAACTTGCTTAAACTTTTAAAACAATAATTTTTTTAACCTTTTAATGTAGGTAAAAATCCA
CATTCTTATGCCCCTTTATAATCTTTTTACCAAAGGTATGTTTTACTTTTCTTATACACCTTGCACATAAA
CTGTTTTTTTAAAATAGTACTCAGGAGGCCTTATTACTTTTAAATTATACAACTTTTTTGCATAAATACTT
TTTATAACTTTTTCTTTCACGACTTTTGCAGACAATTTTTCAACATGTCTTAACTTTCTGACTTATTACAT
TTTTTTTTTAAACAACCAGTTAATTTATTTCAGGACAAGAATTTACCATGTAACACTCTTTTTACATAAAT
TCTGCCTCTCCCCGTTTTTTTCCTTTTTTTTTTTTCTTTTTGAAGATAACCATTCCTTTTTTTTTTTTTTA

Table 6
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AAGCGAACTTTCTTTATGTCTTTGGACTAGACTGTCTAAGGCCACAAGATTAGAAGTTACCATAATACATG
TTACACTGTTAACTTTTAGCAAACTTCACTTTTGTTGAAAACCTTGTAAGTTTGGGATTTCAATTATCCTT
TGCTATTAATAAGACCTTGTTTAGTCTAAATTAACTTAGAATTGGTATAGATGGCCTTTTTTTCTCTCTGC
TGGTCTTTCCTTGCCTCTGCCAGCTGCTTATGCTGCTGTTCTCTTAACTACTGTGGGGGGGAAGGGGGTCT
AAAACCAGCTGTAACTGTCTATGTATGGAAACTGGTCTGGGTGCCTTGGCTTACAGGTTACCTTGTGTCAT
ACCTTTGAAACAAGGGACCTGTCCAGGCTTCCTTCTGATGGCCAACCCACCTCTAATGCTGGCCAGTCTAT
TTCACACAAAGTTCTAAGTTTTCCTGGTGTCATAGTAACACTGTAATCTCCCTTAAATTCTTTCTTGAAAT
TTTTTTTAACATAGTTCCTAGTGGGGTGGGCTTACTTTGCGCCTGACCCATGTTTGTTTTTTTCCGAGACA
AAATACCATGCTCACACCACACATACTCACCACAAGACAAAGAACGGGTAAAGAGGGCACACACACACTGT
TACCGTTTATACCAAACCAAAATCACGAAATTCAAAATCCGAGTACCAAAAAATTCAAGCCAAGTCAAAAC
CAAAACCACAGTATCCAGCAATTCAAATCAAAAACAAAACCCCAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGGGCGGCCGCN

Table3 3974

cacgagcggcgcgatcggccgggctgtaaccgtcgtctgtccgggagCGGCTGGAGCGGCAGCGG
CGGCCGGGCACGGCGCGAGGTGACGCCACAGGGCAGCGGCGGCAGCGGAGGCAGCGGCGGCAGCAGGAGAC
GCAGCGGCGGCCGCAGCAGCAGCAGCAAGACGGACTCGTGGAGACGCGCCGCCGCCGCCGCCGCCGGGCCG
GGCCGGGTGTCGCGCGCCGAGGCTGGGGGGGAGTCGTCGCCGCCGCCGCCACCGCTACCGCCGCCGCCGCC
GCCGCCGAGGTGACTGAGGAGAGAGGCGCCTCCTCGCTCCCGCCACCGCCGGACTTCAATGCCCAGTCCCC
AGCTCGCCAGCGTTTTTCGTTGGAATATACGTTGCACATTTATGGCGATTCTGAGTGTGAGGGCAGACTTC
TGCCAGGCTCAGCACAGCATTTTCGCTGACAAGTGAGCTTGGAGGTTCTATGTGCCATAATTAACATTGCC
TTGAAGACTCCTGGACACCGAGACTGGCCTCAGAAATAGTTGGCTTTTTTTTTTTTTTAATTGCAAGCATAT
TTCTTTTAATGACTCCAGTAAAATTAAGCATCAAGTAAACAAGTGGAAAGTGACCTACACTTTTAACTTGT
CTCACTAGTGCCTAAATGTAGTAAAGGCTGCTTAAGTTTTGTATGTAGTTGGATTTTTTGGAGTCCGAAGG
TATCCATCTGCAGAAATTGAGGCCCAAATTGAATTTGGATTCAAGTGGATTCTAAATACTTTGCTTATCTT
GAAGAGAGAAGCTTCATAAGGAATAAACAAGTTGAATAGAGAAAACACTGATTGATAATAGGCATTTTAGT
GGTCTTTTTAATGTTTTCTGCTGTGAAACATTTCAAGATTTATTGATTTTTTTTTTTTTCACTTTCCCCATC
ACACTCACACGCACGCTCACACTTTTTATTTGCCATAATGAACCGTCCAGCCCCTGTGGAGATCTCCTATG
AGAACATGCGTTTTCTGATAACTCACAACCCTACCAATGCTACTCTCAACAAGTTCACAGAGGAACTTAAG
AAGTATGGAGTGACGACTTTGGTTCGAGTTTGTGATGCTACATATGATAAAGCTCCAGTTGAAAAAGAAGG
AATCCACGTTCTAGATTGGCCATTTGATGATGGAGCTCCACCCCCTAATCAGATAGTAGATGATTGGTTAA
ACCTGTTAAAAACCAAATTTCGTGAAGAGCCAGGTTGCTGTGTTGCAGTGCATTGTGTTGCAGGATTGGGA
AGAAAAAGAAGGGGAGCGTTCAATTCCAAACAGCTGCTTTATTTGGAGAAATACCGACCTAAGATGCGATT
ACGCTTCAGAGATACCAATGGGCATTGCTGTGTTCAGTAGAAGGAAATGTAAACGAAGGCTGACTTGATTG
TGCCATTTAGAGGGAACTCTTGGTACCTGGAAATGTGAATCTGGAATATTACCTGTGTCATCAAAGTAGTG
ATGGATTCAGTACTCCTCAACCACTCTCCTAATGATTGGAACAAAAGCAAACAAAAAAGAAATCTCTCTAT
AAAATGAATAAAATGTTTAAGAAAAGAGAAAGAGAAAAGGAATTAATTCAGTGAAGGATGATTTTGCTCCT
AGTTTTGGAGTTTGAATTTCTGCCAGGATTGAATTATTTTGAAATCTCCTGTCTTTTTAAACTTTTTCAAA
ATAGGTCTCTAAGGAAAACCAGCAGAACATTAGCCTGTGCAAAACCATCTGTTTGGGGAGCACACTCTTCC
ATTATGCTTGGCACATAGATCTCCCTGTGGTGGGATTTTTTTTTCCCTTTTTTTGTGGGGGAGGGTTGGTG
GTATATTTTTCCCCTCTTTTTTCCTTCCTCTCCTACATCTCCCTTTTCCCCCGATCCAAGTTGTAGATGGA
ATagaaGCCCTTGTTGCTGTagaTGTGCGTGCAGTCTGGCAGCCTTAAgcccACCTGGGCACTTTTaga

Table3 3976

ACGCGGGGGCGCGCAGATTCTCGCAAATCTGGAAGCGGATCGCGTGGAGTGACGGTCACACCGCG
GCGAATTAATTCCCAAAGACTCATGTTACAGGAGAGAGCCACCAAGAAGACCAAAGAAAAGGAGACAAGGA
TGGCTCTTCCTCAGGGATGCTTGACTTTCAGGGATGTGGCTATAGAATTCTCTTTGGAGGAGTGGAAATGC
CTGAACCCTGCACAGAGGGCTTTATACAGGGCCGTGATGTTGGAGAACTACAGGAACCTGGAGTCAGCGCG
ATTGACTTCTAAAGACTCTTGGTACCTGAGGAAGAAACCCAGAAGAGGAAGAGGAAAGCAAAGGAGTCGGG
GATGGCTCTTTCTCAGGGTCTATTGACATTCAGGGACGTGGCCATAGAATTCTCTCAGGAGGAGTGGAAAT
GCCTGGACCCTGCTCAGAGGACTCTATACAGAGACGTGATGCTGGAGAATTATAGGAACCTGGTCTCCCTG
GGTGAGGATAACTTCCCTCCAGAAGTGGGGATGTGCCCTTGTGGATCTTTGTATTTCTCTTGTTTCTCTTG
GGAGTTGCATCCTTGCTTGACTAAAATGGAAGCTGTATTGATTTGAAATGAAAAGCTTCATGATGTAGGCA
ACAAAGCAAAAAACAACGCCACCAACAACACAACAGGTTGTGGCGACCGTACGCAACACGACGACAAAGAT
CTTCGCAGAACAACACGTGTGGGCACGACGTGGCACCCAAGTCGGGATACAGCTAACACGGTAGGACAAGG
GGACCCACAAGAGGACAACCGGGGCGACCAGACAGACGCGTGGAGAATGCTAAACCAAAGCAAAAGGCCCG
GGAGGTACACACTACGGTCTTGGACACAACCACGCGAGGGACGTGAGGCCAAAAAGGGACAACAAACGAGG
ACCGGGGCGGCATACAATATGCCCGGACCGGGGACGGAAGCAAACAAGGACAAGCAGAGACAGGCGAGAAG
AGCAGCGAAGAAGGAGAACAAGACAGAAAACTAAGGACAGAAAAGCAGAAACGGGGACAAGTGCAAGAAGC
GAAGACAAAAACACAAAACGAGACGCGAGAAGAAACGAAGCACAGAAAAAAAGAAAGCAAAAACGAACGCG
AAAGCAGACTAGGGCGAAAGGAAGAAGAGCAAGCAAAGCGAGATAACAAAGACAGCAAGGGACAGCCAAAA
GACAGTAGAAACAACACAAAGAGGAGGAACAGAAAAAGCAAAGAGACACAN

Table3 3979

NNCGACCCACGCGTCCGGCGGGCGCGGGGTGTGTCGGGTGTCGACGGCGGCGCTTTGCGGCCGGT
CGTGCGGGTCGGGCGCGGGCGGGCGCGGCGGCAGTGGCGCGCACAGGTGATTGACTGGCCAGCTGCCTGAA
GGAGCGCCAGGTCCTCCTTGCTGGCAGGTGGCGAAGCCCATTGGGGCGGCGGTGCAGACCGCGGCGGCGGC

Table 6
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TGCGGCGGTCTGGCTCGGGAGGCGTTCCTGGGGCCAAGGCCATGGCCCCGCGGCTGCAGCTGGAGAAGGCG
GCCTGGCGCTGGGCGGAGACGGTGCGGCCCGAGGAGGTGTCGCAGGAGCACATCGAGACCGCTTACCGCAT
CTGGCTGGAGCCCTGCATTCGCGGCGTGTGCAGACGAAACTGCAAAGGAAATCCGAATTGCTTGGTTGGTA
TTGGTGAGCATATTTGGTTAGGAGAAATAGATGAAAATAGTTTTCATAACATCGATGATCCCAACTGTGAG
AGGAGAAAAAAGAACTCATTTGTGGGCCTGACTAACCTTGGAGCCACTTGTTATGTCAACACATTTCTTCA
AGTGTGGTTTCTCAACTTGGAGCTTCGGCAGGCACTCTACTTATGTCCAAGCACTTGTAGTGACTACATGC
TGGGAGACGGCATCCAAGAAGAAAAAGATTATGAGCCTCAAACAATTTGTGAGCATCTCCAGTACTTGTTT
GCCTTGTTGCAAAACAGTAATAGGCGATACATTGATCCATCAGGATTTGTTAAAGCCTTGGGCCTGGACAC
TGGACAACAGCAGGATGCTCAAGAATTTTCAAAGCTCTTTATGTCTCTATTGGAAGATACTTTGTCTAAAC
AAAAGAATCCAGATGTGCGCAATATTGTTCAACAGCAGTTCTGTGGAGAATATGCCTATGTAACTGTTTGC
AACCAGTGTGGCAGAGAGTCTAAGCTTTTGTCAAAATTTTATGAGCTGGAGTTAAATATCCAAGGCCACAA
ACAGTTAACAGATTGTATCTCGGAATTTTTGAAGGAAGAAAAATTAGAAGGAGACAATCGCTATTTTTGCG
AGAACTGTCAAAGCAAACAGAATGCAACAAGAAAGATTCGACTTCTTAGCCTTCCTTGCACTCTGAACTTG
CAGCTAATGCGTTTTGTCTTTGACAGGCAAACTGGACATAAGAAAAAGCTGAATACCTACATTGGCTTCTC
AGAAATTTTGGATATGGAGCCTTATGTGGAACATAAAGGTGGGTCCTACGTGTATGAACTCAGCGCAGTCC
TCATACACAGAGGAGTGAGTGCTTATTCTGGCCACTACATCGCCCACGTGAAAGATCCACAGTCTGGTGAA
TGGTATAAGTTTAATGATGAAGACATAGAAAAGATGGAGGGGAAGAAATTACAACTAGGGATTGAGGAAGA
TCTAGCAGAACCTTCTAAGTCTCAGACACGTAAACCCAAGTGTGGCAAAGGAACTCATTGCTCTCGAAATG
CATATATGTTGGTTTATAGACTGCAAACTCAAGAAAAGCCCAACACTACTGTTCAAGTTCCAGCCTTTCTT
CAAGAGCTGGTAGATCGGGATAATTCCAAATTTGAGGAGTGGTGTATTGAAATGGCTGAGATGCGTAAGCA
AAGTGTGGATAAAGGAAAAGCAAAACACGAAGAGGTTAAGGAGCTGTACCAAAGGTTACCTGCTGGAGCTG
GTCTGTAAGATATTCTGGGACAGCACTGTTGCCATTAAGTGCCTTGTTTTTTTATGTTCACAAATGTATAT
GAAGAAACTTTCTCAAACTTACTCTTTCTAATAACCCACTAAAGCCAGCTTAAACACTCTAAAAGTACTTT
GTAAACCAACAATAACTTGATGTGTAGCATTCCATATTATTTCATTACGTTGTACTCCTAAAAATGGGAAG
CTGTTAATAAATTATAACATTTAGGTCAGCACTCTGCATCCATGAGTATTGTAGATATTTATATTTTGTGA
GATATTAACTTGTTTAAGAAAAATCCGATTGGATTACTATGGAAAAAGCAACTTGCCTGTTCTGTTTCTTT
GCATACTTTGTGACCTAACAGTTTTAACAGACATTCTATTATATGAATACAGTTTTTTTGATACTATTAGA
TTAACTTGAAGTTTAATACCAAATATTATGCTAAGAGTAGAAAAGCTTTCTGCTGACCCCTGATTTCTTAG
AAATATCCCACATAATCCAGCTTATCCCTTTTCTGTATATGTTTATTCAGGTTTACCTGATGTCTCAAAAT
GAAACCAAATTAAGCCTTTTTAAAGGCTGATGTGCCATTTGTATTAAGTTATCTTTGTCATTTTAAAGACA
TGAATTCCCCAAGCCTAATTCCTACTTAAGGAAGAGAGACAATTTAGTCCTTACTTTAGAAAATAAATACT
TAAGCATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGATAACTTAATACAAATGGCACATC
AGCCTTTAAAAAGGCTTAATTTGGTTTCATTTTGAGACATCAGGTAAACCTGAATAAACATATACAGAAAA
GGGATAAGCTGGATTATGTGGGATATTTCTAAGAAATCAGGGGTCAGCAGAAAGCTTTTCTACTCTTAGCA
TAATATTTGGTATTAAACTTCAAGTTAATCTAATAGTATCAAAAAAACTGTATTCATATAATAGAATGTCT
GT

Table3 3983

ACAGGTAAGGCAGAAGGAAGGAAGGGCAAAGAAACAATTCCAGGGCCCTGGTTTCTGGGATGACA
GGCTTCCCAACACTCATGCCAGGACTATTTTCCACCTCGGTTCACTATGGGTTTTTTTTCTTTTTTTTTTT
AATATAATGAATTTTTAAAATGTGCGTTTGTTGCCCAGATTATTCCAGAAAGAGTTGAAGGGAGGAAAGGT
GTGCTTGGTGTGCTGGTGATTCTAGCACTCTCTCCAGCCTGATTTCTAGTTTGTGTGGTGCATCCAGACAG
CTCACCCAGGTGCCCGGGCTCTTTCTGGTATCCAGAGCCAACCCATCCAGGGCAGGAGGGTGAAGATTAGG
AGGGGCAAAGGTTAGCCTGGAGGCTGCAATTAACAAGAATCAAAATGGGTTTCAGGATTCTCACACCCAGG
TGCTAATTTCAGCTGGTCCTGTAGAGGTGACACGTAGTAGGACAACATGGTTTTGGGGGCAGTGCTGGGGT
GCTGGTCTCTGCTTTTCTAGGGTAGAAAGGAATCATACATTGAAAATGCTTAAATCGATGGAATGATTCTA
TGTCTCCTCATGCTTCCATCTCTTTCTGGTCTGCCTGCTCTTCCTGCCAGCCCTTCACTGTGACAGTCACC
ACTCCTAGACCTCTGTCTCTAGGCATCTCCCAGGAAGGAGAAGTGGAAAGGAAGGAGAAAAGAGCTCAGTC
TCTGGTGCCCAAGACATTGTGC

Table3 3984

NNNNAAGAATCAGGGGAGAAGGGACACAAGCCCTTGAATGCATGCCAACACGTGAATCCTCAAAT
CAAGACTCAAACCATGCAGTTTAACCTCTCAAGTTGCCCACTTGGCCCTCTTCCAAGTGTACTTTACTTCC
TTTCATTCCTGCTCTAATACTGTTTAGTACATTTTCACTCCTGCTCTAAAACTTGCCTCAGTCTCTCACTG
TGCCTTATGCCCCTCAGCTGAATTCTTTCTTCTGAGCAGGCAGGAATTGAGGTTGCTGCAGACGTGTATGC
ATTTGCCACCAGTAACATACTTTGGTGCCACATGACTAGGATATGTTCTCTAGTGCTAACATGTTCGTTTA
CAGTTCTTAGGACTCCCTGATAGAAAAAAACACAAAAAAAAACACAAAAAAACCCAACCAACCAAACAAAC
AAACAAAAAAAAACACAGGAGTTTCTCCCAAAAAGAAGTCTGCAGTGTCTTTTCTGTTTTCTCTGAAGGTA
TCCCAGGGTGTTAGATTTCTGTTGTTTTTCCCTTATGTGGCACCGAAGTTGGCAAGAAGAAGGAAGTGCTG
ATATAAATAAATAGGGAAATGAACAGAGAGACTACATGTGGTTAGCAGGAGTTTAGGATGAGAGAAATTTA
GTGGACCGAGAAATAGTCTAAATATCAGTTTTAATTTGTGAAAGAAAAATAAAAACCTGGGACCCCAATTC
ACTATGCCTAAAGGAAAAAAATTAAGCTGAAAGCTGAATCATGCAAGAAGCTGTTTTTTCCTTTGTTCTTA
AGCAGAGCGCTACAGATAAAAAGGTGAAATATCTCCCCAGGTAGCTACTCTATGTTCACCTGAACTTATGT
AAAGTTCTGATTTACTGAGCACGAGAAGAACACATAATTGACTATTCCTGT

Table3 3985

NGCTCTGGTTAGGGCTCTCGTGGANGNTCGNTNTGAAGCCTTCGACTCATCGCACGGGCCGCGCG

Table 6
2660/3331

CCATTGTGTTGACACTTACATATATTTTGCTTGAAGTGAGTGATTTTCAAACTTTTTGTATTTGGTGGGCT
GTCCATCTTGTAATGGTGGGAGTAAATGTTTCCATAGATGATAAGGCAGTTCTTGGCTGAATTCAGCTTGT
GTTTCTTTTGGAGGGTGGGCAAATCAGAGGGCAGAGATTATTTAGTTGCATTATAGGTATTCTTCTATACC
ACTTGCCCTTTGAAACCCTCAACTTGAGGTAATGTGCAGTCTGGGGTTTTAATTAGTATTAATAATCTTGT
GGATTTACAGAAATCTATAATGCACAGAGTTGAGTTTTAACCAATGATCGTATTCATAGAAAATATTTCGA
ACCACCACATTCTTCATGGTCATTTTAGTTAGTACATAGTCATTGAGTGGCCAGCCACACCTGACACAATC
TCCCAGCATCCAAGATTGGAGATTCCTGGTCTGTGTAGAGTATATGGTTTTGCACGAAATCTTTCTAGTCT
TGTGATTGCTTCAGTTTAATTTGTCACATAAAACCACAAGTATTTAATATTAATGTATCAGTGGTTTGGTG
TTTTTGTTCCCAGTACTGGGCTTTGCGCCGGGAAAAATCTGAATACTGGAGCTACAGAGTTAACTCTAAAA
GTGCTTTTATTGGTTTCTAGAAACTGGAAGAAGAGAAAGGCAAAAAGGAAAAAGAAAGACAGGAAATTGAG
AAAGAACGGAGAGAAAGAGAGAGGGAGCGTGAAAGGGAACGAGAAAGGCGAGAACGGGAACGAGAAAGGGA
AAGAGAACGTGAACGAGAAAAGGAGAAAGAACGGGAGCGGGAACGAGAACGGGATAGGGACCGTGACCGGA
CAAAAGAGAGAGACCGAGATCGGGATCGAGAGAGAGATCGTGACCGGGATAGAGAAAGGAGCTCAGATCGT
AATAAGGATCGCAGTCGATCAAGAGAAAAAAGCAGAGATCGTGAAAGGGAACGAGAGCGGGAAAGAGAGAG
AGAGAGAGAACGAGAGCGAGAACGAGAACGGGAGCGAGAGAGAGAGCGAGAGAGGGAACGGGAGCGAGAAA
GAGAAAAAGACAAAAAACGGGACCGAGAAGAAGATGAAGAAGATGCATACGAACGAAGAAAACTTGAAAGA
AAACTCCGAGAGAAAGAAGCTGCTTATCAAGAGCGCCTTAAGAATTGGGAAATCAGAGAACGAAAGAAAAC
CCGGGAATATGAGAAAGAAGCTGAAAGAGAAGAAGAAAGAAGAAGAGAAATGGCCAAAGAAGCTAAACGAC
TAAAAGAATTCTTAGAAGACTATGATGATGATAGAGATGACCCCAAATATTACAGAGGAAGTGCTCTTCAG
AAAAGGTTGCGTGATAGAGAAAAGGAAATGGAAGCAGATGAACGAGATAGGAAGAGAGAAGGAGGAGCT
TGAGGAAATCAGGCAGCGCCTTCTGGCAGAAGGGCATCCAGATCCAGATGCAGAGCTCCAGAGGATGGAAC
AAGAGGCTGAGAGGCGCAGGCAGCCACAAATAAAGCAAGAGCCAGAATCAGAAGAGGAGGAAGAAGAAAAG
CAAGAAAAAGAAGAAAAACGAGAAGAACCCATGGAAGAGGAAGAGGAGCCAGAGCAAAAGCCTTGTCTGAA
ACCTACTCTGAGGCCCATCAGCTCTGCTCCATCTGTTTCCTCTGCCAGTGGCAATGCAACACCTAACACTC
CTGGGGATGAGTCTCCCTGTGGTATTATTATTCCTCATGAAAACTCACCAGATCAACAGCAACCTGAGGAG
CATAGGCCAAAAATAGGACTAAGTCTTAAACTGGGTGCTTCCAATAGTCCTGGTCAGCCTAATTCTGTGAA
GAGAAAGAAACTACCTGTAGATAGTGTCTTTAACAAATTTGAGGATGAAGACAGTGATGACGTACCCCGAA
AAAGGAAACTGGTTCCCTTGGATTATGGGAAGATGCGTAAATGCACCAAGGGCCGGTTACCTGCGACACCG
GAGACCGCTAAGAGGCCCACTGGAAAATGCCTACGCAAACTGAGACACTCGCTATCCCGGATGGCACCATG
GGGGGACAACACGGAGAAACGCGCAAAGACCCGGCGCAACAAACACCGAAAACACGAGACAGAAACAAAAG
AAGACGGGATACAACAGAAGGGCACAACCCGCAAAAAAAGAAGACGCACGCCGCTAGCACACCCAACCCGA
GCACACAACCACAACGCGCACAGGCAGACAAACAGACACGACGCGAAGTGAN

Table3 3987

NNNNNNAATGTGAGAGAATAGAAAGAATGTTCATGGAATGTACCTGCCCTGTAAAATGTTTGATC
ATTTTCATTAATGTTGCAGAGAATCCGACTGCTATTAAGAGAAAGTGAACAAATTAAGAATTTAAAAGACA
GGTTCAGGCATGTCATAAGTGAAAACAAGAAGGCTTAATACAAACTTGTTGGGTTTTGTTCGTGTGTGTGT
GTGTGTGTGTGTGTGTGTTTTTTTTTGGTTCAGCCTATCTAGCCACCTACAAATAATCACATTTCTGTTAC
CTGAATTTATTTCTCAGCCTGTAAACCTTAGTCACTGTTACCTGTTTCTTGCTCAGTGAATATGATCTTGG
CACTGTCATCTAGAAAGCAAGATATTTGATTGGTTTTCTGGTTCCTTCGAAGATAATAATTCCATATCCAG
TTTGACTGATTTTCATACCCCTGAATCAACTAGTTATTTTCATGAAATGGTTTTTGGATATCTCTCCTCTA
GTTTGGAGAAGTAATAATCACAAAGATTAATATTTTGCTTCTAGTACTTACAGTAGAAGAATTTTAAACTG
GTACGTCTACTCCTGTTAAATAGAAAGGGGATTCGTTGTATTATGTGCTTGCTTTTTTTTAATCAATAGAA
TAAGATTCAATGCATATTTATGTTTTATATTTTCCACTATTCAGGTATCATGAAATCACTCTAGAGATGAT
CAATCAACATCATATTTATACTTTTGGTTAATTATATACTACTCAGGGAAAAAATGAACAAAAATAACTAC
TCATCCTTCAATTTCATTTTCTTGAAACAGTAAGAGTATAATTTGGTATGCCTCAGCTGTCACCATTTTAT
AAGTGGCTCATTCTGTTCTTAAAGTAAGTATTTTTATTGGAACTCAGGGTAATTGGGGGAATTTATTTAGC
TTCTAAAATATCCGGCAGGATAGGAGAAGGATTTATTTGGCTTCAAAAATGTCGGGTGACCACTTCTCTTA
TTAGCCACTACTGCCCATTTGCTTCAAAAATATANNNNNNNN

Table3 3990

NAACCCGCCTGTCAGCCAGCCTTTCGAGCTAATTAGCTCAGCATACAACAAAGATAAGTGAGCCT
GGGAAGAGGGCCCCCTGAGGGGTCTTTAGATTCTGGGAAATGTCTGATTGGCAGATGTTAAAAGGGATTCC
TTGGTAATCCAGTGCATCAATGAGCTGCAGAAATTCAGCCCAGGACTGCAAGAATTCAGGCATGAGGACAC
TCTGTACAGGAGGCTCACACAGGCAGACCCAAGATGGACAGAACCTTGGAATCTCTGAGACACATCATTGC
CCAAGTCTTGCCTCACAGAGATCCGGCTCTAGTCTTCAAAGACTTGAACGTTGTGTCAATGTTACAGGAAT
TTTGGGAAAGCAAGCAGCAGCAGAAGGCTGCATTCCCAAGTGAAGGTGTGGTGGTCTATGAGTCACTGCCA
GCTCCTGGGCCTCCCTTTGTGAGTTACGTGACCCTCCCAGGGGGAAGCTGTTTTGGCAACTTTCAGTGCTG
CTTAAGTAGAGCCGAGGCCAGGCGGGATGCAGCTAAAGTGGCCCTGATCAACTCCCTCTTCAATGAGCTGC
CCTCTCGCAGGATCACCAAGGAATTCATTATGGAAAGTGTTCAGGAAGCAGTAGCCTCCACCAGCGGCACC
TTAGATGATGCAGATGACCCCAGCACCAGTGTTGGGGCCTATCACTACATGCTGGAGTCAAACATGGGGAA
GACTATGCTGGAGTTTCAGGAGCTGATGACCATTTTCCAACTATTGCACTGGAATGGAAGCCTAAAAGCCC
TTCGTGAAACAAAGTGTTCCCGACAGGAAGTCATCTCCTACTATTCTCAGTATTCTCTAGATGAAAAGATG
CGCAGCCACATGGCCCTGGACTGGATCATGAAGGAGCGGGACTCACCAGGAATTGTCTCTCAAGAGCTACG
AATGGCCCTGAGGCAGTTGGAGGAAGCCAGGAAAGCAGGACAAGAACTACGGTTTTACG

Table 6
2661/3331

Table3 3992

NNNNCAGGGACAGACTGCTTCCGGGTCGAAGGGCTTGCTTCCGGAGAGCGGGAAGGCTAAAACGC
GGTAGCTAAACTGCAGCCAACTTTGGTTGTGTGTGGAAAAGGCTTTAGCCATGGACAGGAGTGGCTTTGGA
GAGATATCATCCCCTGTAATCCGGGAGGCAGAGGTGACACGGACTGCACGGAAACAGAGTGCTCAGAAAAG
AGTTTTACTTCAGGCATCTCAAGATGAAAATTTTGGTAATACTACACCAAGAAACCAGGTTATCCCTCGAA
CTCCTAGCTCATTTCGACAGCCTTTTACCCCAACAAGCCGAAGCTTACTAAGGCAGCCAGATATTTCCTGC
ATTCTTGGAACAGGAGGGAAGTCGCCCCGACTTACGCAGTCTTCAGGGTTCTTTGGAAATCTCTCCATGGT
TACTAATCTGGATGACAGTAACTGGGCAGCTGCATTTTCATCACAGCGTTCCGGGCTGTTCACAAACACAG
AGCCCCACAGTATAACAGAAGATGTAACTATCAGTGCTGTTATGTTACGTGAGGATGATCCTGGAGAAGCT
GCATCCATGAGTATGTTTTCTGATTTCCTGCAGTCTTTTCTGAAGCACTCTTCGAGTACAGTTTTTGATCT
TGTGGAAGAGTATGAAAACATCTGTGGTAGTCAGGTGAATATACTGAGTAAAATAGTGAGTCGAGCAACAC
CTGGACTTCAAAAATTTTCAAAAACAGCCAGTATGCTCTGGCTTCTTCAACAGGAGATGGTCACATGGAGG
CTGCTGGCTTCTTTGTATAGAGACAGAATACAGTCTGCATTAGAAGAGGAAAGTGTATTCGCAGTTACTGC
TGTTAATGCCAGTGAAAAAACAGTTGTGGAAGCGTTATTTCAGAGGGATTCACTTGTTCGACAAAGTCAGC
TGGTGGTAGATTGGTTAGAGAGTATTGCCAAAGATGAAATTGGAGAATTTTCTGATAATATTGAGTTTTAT
GCAAAATCAGTATATTGGGAAAATACTCTGCATACCTTAAAACAACGGCAGCTGACTTCTTACGTTGGAAG
TGTTCGTCCGCTTGTCACTGAATTGGACCCTGATGCTCCCATAAGACAGAAAATGCCCCTTGATGATCTGG
ATAGAGAAGATGAAGTTAGATTACTCAAATATCTCTTTACTCTAATCCGTGCTGGAATGACAGAAGAGGCA
CAACGACTCTGTAAACGCTGTGGTCAAGCATGGAGAGCTGCAACACTTGAAGGCTGGAAACTGTACCATGA
CCCTAATGTTAATGGAGGAACAGAATTAGAACCTGTTGAAGGGAATCCATATAGACGCATTTGGAAAATAA
GTTGCTGGAGAATGGCAGAAGATGAGCTTTTTAATAGATACGAGAGAGCAATTTATGCAGCTTTAAGTGGG
AATCTTAAGCAGCTGCTTCCTGTCTGTGACACCTGGGAAGACACAGTTTGGGCCTACTTCCGGGTGATGGT
GGACAGTCTGGTAGAACAGGAGATCCAGACATCAGTAGCAACTCTGGATGAAACTGAAGAACTCCCTAGAG
AATATCTGGGAGCAAACTGGACGTTAGAAAAGGTTTTTGAGGAACTTCAAGCTACTGACAAAAAGAGAGTT
CTGGAAGAGAATCAAGAACATTATCATATAGTTCAAAAGTTTCTTATCCTGGGAGACATTGATGGTTTGAT
GGATGAGTTTAGCAAATGGCTTTCCAAAAGCAGAAACAATCTACCTGGACACCTGCTTCGCTTTATGACTC
ACCTTATTTTGTTTTTCCGTACTCTGGGACTACAGACCAAGGAGGAAGTTTCTATTGAAGTTTTAAAGACA
TACATACAGCTTTTAATAAGAGAGAAACATACAAATCTTATAGCATTTTATACCTGTCATTTGCCTCAAGA
CCTAGCTGTTGCCCAGTATGCATTATTTTTGGAAAGTGTTACAGAATTTGAACAGCGCCACCATTGCCTGG
AGTTGGCTAAAGAAGCAGATTTGGATGTTGCAACAATAACAAAAACTGTAGTTGAGAATATTCGAAAGAAA
GATAATGGTGAATTTAGTCATCATGACCTGGCCCCAGCCCTAGATACTGGCACTACTGAGGAGGATCGTTT
AAAAATTGATGTAATTGACTGGTTGGTATTTGACCCAGCGCAGAGGGCAGAAGCACTGAAACAAGGCAATG
CAATTATGAGAAAATTCTTGGCATCAAAAAAGCACGAAGCTGCAAAAGAAGTATTTGTGAAAATTCCTCAG
GATTCTATAGCAGAAATCTATAATCAGTGCGAGGAACAAGGAATGGAAAGTCCACTTCCTGCTGAAGATGA
TAATGCTATCCGAGAACATTTGTGCATCAGAGCTTATTTGGAAGCCCATGAAACCTTTAATGAGTGGTTTA
AGCATATGAATTCAGTTCCACAAAAACCTGCTTTGATACCTCAACCAACTTTTACTGAGAAAGTGGCTCAT
GAACACAAAGAAAAGAAATATGAAATGGATTTTGGTATTTGGAAAGGGCATTTGGATGCCCTAACTGCTGA
TGTGAAGGAGAAAATGTATAACGTCTTGTTGTTTGTTGATGGAGGGTGGATGGTGGATGTTAGAGAGGATG
CCAAAGAAGACCATGAAAGAACACATCAAATGGTCTTACTGAGAAAGCTTTGTCTGCCAATGTTGTGTTTT
CTGCTTCATACGATATTGCACAGTACTGGTCAGTATCAGGAATGCCTACAGTTAGCAGATATGGTATCCTC
TGAGCGCCACAAACTGTACCTGGTATTTTCTAAGGAAGAGCTAAGGAAGTTGCTGCAGAAGCTCAGAGAGT
CCTCTCTAATGCTCCTAGACCAGGGACTTGACCCATTAGGGTATGAAATTCAGTTATAGTTTAATCTTTGT
AATCTCACTAATTTTCATGATAAATGAAGTTTTTAATAAAATATACTTGTTATTAGTAATTTTTTCTTTTG
CATTACCATGTAAAATTTAGACATTTGAATTTTGTACTTTTCAGAATATTATCGTGACACTTTCAACATGT
AGGGATATCAGCGTTTCTCTGTGTGCTTGTTAATAAAACTATATAAAAATTAAAATTTTCTGTTTTACCAA
AAAAAAAAAAAGGGGGGGTCTAAAGTTCCTGCGAGGGCAAGTTAAGGTTACCAGTTTTGAAAAGGGGCCTA
AGGGGCGATTAAAGAAGAGGGGGGTAAAGTTGGTGGGAAGGCTGGGTTGGAGGCCCTTGGGGGCAATGGAN
N

Table3 3993

ACCAGTTTTGTGCTGGTTGGCCTCCTGCCAGGAGGTGACGCTTTCAAGGGAGCAACAGCTGTGGT
AGCATAGGAAGAATCAGGTGGTGAGCAGGGCCCTAGAACTCACAAGAGAATATGACCTTTGTCTTCAGCTA
CCAGGGTGGGTAGAGGAGGACCATCAGGTTGGGGCAGGGCTAGGTGCGTCTGAGTTCAGACTCTCTATGGG
CAGGTCTTGCTGTGGCTGCTGTAGGGGATGGGGGTGGGGTTCCCAGGTCACTAGAGTTGTGTGCCTAGGAA
GATTATGGCTACCTCTGCTGAGTCACGCATGTTGTCAGGGAAGTGGGGGAAAGCTGGCAAGATGGGGGTCT
CACTAGGTTGCACAGGTTGCTCAAACTCCTAGCTTCAAGTGATCCTTCCACCTTGGCTTGTTGTACCCAAG
CGAGTTAGAAAAACGCCACACTTTGAGACAAATTAAGAGTCTTTTATTAGCCGGCGACCTAGAGACGGCTA
ATGCTCAAAATTCTCTCGGCCCCAAGGAAGGGGCTTGATTAACTTTTATACCTTGGTTTAGGAAGGGGAGG
GGGGGTCTAGTTAAAACAATTTTACGGAAGTAAAGTAGTCAAAAAGTTAAAAGGACAAATGGTTACAGGAA
AGTAAACAGTTCCAGGTGCAGGGGCTTTAAGACTATTACAAGGTGATAGATCCGGGGCTTTGGGCGTTTAT
CAATCGGACGAATTCCTGGGAACTGCGGATATAGCTTGCCACAGTATCTTATCAGTTAATTGCATTCTTGG
ATGTGCTAGGAGTCAGCTTGCACAAGTTAAGTCCTTGAGGAAGGGGCTGCCAGTGAAAGAGCCAAGATGGA
GTCTGTCTGGCTCTTAGCTAAGGGAGAGTCAATTCAGGTGGAAACAAGGCTAGGTGATTAAAGGAAAGAGG
GAGAGTCTAAAAACAGGGTTAGTGAAAACAAGGTTGGGCATTACAGTACTAAGCACTGGGCCACACGCTGC
CTCCACTTTGCTCTGCCGCATGTCTTCATACTTTTCTTGCCCCAGGTAAATTTTTTTCTTTAGACAGTCTT

Table 6
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GCTCTGTCACCCAGGCTGGAGTGCAGTGGCACAATCTCAGCTGACTGCAACCTCCGCCTCCGGGGTTCAAG
CGATTTAAAGCCCCGCAGATGTGGGGGATACCTCTAGAGATCGAN
Table3 3994
NCGTCCGTGGACGCGTGGGTCGCCCACGCGTCCGCTTCAGACTTCAACCACAGTTGTGATTGTTT
GTAGTTTGTTAGCTGCCTGGAGTGTTATTTTAAGAAAGCAGAAGCACCATCATTTGCACACTCCTTATAGA
TCACACACCTTAACCCTGACTTTTTTTGCTCCAGTTTTTCAGAAGAAGTGAAGTCAAGATGAAGAACCATT
TGCTTTTCTGGGGAGTCCTGGCGGTTTTTATTAAGGCTGTTCATGTGAAAGCCCAAGAAGATGAAAGGATT
GTTCTTGTTGACAACAAATGTAAGTGTGCCCGGATTACTTCCAGGATCATCCGTTCTTCCGAAGATCCTAA
TGAGGACATTGTGGAGAGAAACATCCGAATTATTGTTCCTCTGAACAACAGGGAGAATATCTCTGATCCCA
CCTCACCATTGAGAACCAGATTTGTGTACCATTTGTCTGACCTCTGTAAAAAATGTGATCCTACAGAAGTG
GAGCTGGATAATCAGATAGTTACTGCTACCCAGAGCAATATCTGTGATGAAGACAGTGCTACAGAGACCTG
CTACACTTATGACAGAAACAAGTGCTACACAGCTGTGGTCCCACTCGTATATGGTGGTGAGACCAAAATGG
TGGAAACAGCCTTAACCCCAGATGCCTGCTATCCTGACTAATTTAAGTCATTGCTGACTGCATAGCTCTTT
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TCTAGAACTAGTTACAAAAATAATTTAAGGTGAAATCTCTAATATTTATAAAAGTAGCAAAATAAATGCAT
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GAAAAAAGTTTCCTTATGTTAACTTTCTTTACGTAAGTTAACTTGTTATTGATGAATGGTTTGTAAGTATG
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AATTAAATAAAAGGGCAAAATCCCCCCTGATAAATACCATGTTTATCATGGCACATAAAACTTTATGGCAG
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TTCCACGGATTATTCAGTGTTTCTTTAGGGATATGCATAGGACACTGGTGCTTCAGTAGAAACCCCAGTTT
TGGTGTATTAAAGATACATCCATTCTTGACTGATCTTTAATCTAGAGTGTGGTTTTAGCCAAGTCTTTGAA
TCTCATTTAGTCAGTAAACATTTATTAAATATTAACCAAANNNN
Table3 3995
CGCGTCCGGACGTACTCTGAAGGCTCCTGACCCCCAGATGAGCATCCTTGTGTCCGTTAACTTCT
GTGTTTATGAACAGGTGAGGCCAGAGACAGGCAGACGAGCAGATGTATTGCAGGGAGCTGGATGACATGGC
CCTTGGAACCTGTGCACATGCCTGCCTTTCTGATGCACGTCCATGTTTTCTCTGCACCTCCCCGGTGGTGT
TGGTATAAAAAGCAGGCTTACATCAGCAAGGGATGATTGTCGTCTCATGCGATCCTGGGAGATGGCAGAAG
TCCCGGGACACATGGAGTGTGGGCTCTTTCGGAGGCTGTTGGATCCCTCCTGAATGTGTTGTGGCCATGGA
AGTAAGGCCAGTGGCTACGAGGGACAGTCTTCATCTTGGGAGATCCCTAGAGAGGGCAGGGAGCCCCTTGA
CATGTGGAATGTGATCTCTGTTGGGTGCTGGTGGATCCCACAGGTGGTCTGGCATGGAAGAAGGCCAGAGG
CTGCGATGGATCATCTTTGTCTTGGGAGATTCCTGGAGATGGTGGGGAGCCCCTGGGCACGTGCAGCATAT
GTGGCGTGGGCTTCTTCAGGTGCTGGTGGATCCCTCAAGATGCTTTTCAAGGTTTTTCTATGAGTTCTGTT
AAAGAGTCTGAAAATGGAGCGTAGAAGACATGCTTCGATTTCCAGGATGGTTGTGTTTTCCAGAGAGGCGG
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TTTCTTTTTAAGCCTCAAAAAGTGACAGAATGGAGTGTATCATGAAAAAGTCTGACATCAAAACCTCAAAA
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AGGTTTCATATGGATGAATTTATTCTTCCCTTTGAGGCAAGACAAGAAGGAAAGAAAGTATGGGAATAATG
CTGCCCTCCCATCCTCAAGGGCCAGTGGGAACTCTAATATTGATTGGTTTTCACAGAATTCCATGGACTTT
AACTGCTGAACCAATGATGCACTGATTTTGTCACTTGTACCAGCTAACGCATCTGGGAGGCAACAAAACAA
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GAACGGAAGTGATTTTGGAATTGCATGGAATTCTCACTGCCATCCCAAAGAAATGCTGATCTTGTCACTCT
TACCTGTTTCATTCCCTGGGGGCAGAACAAAAGGACGCACTCCAAAGATCGGCATGAACCAAGAACTGGGT
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CTCATCTTCAAGAATCCGTAGGAATTCTCCCATGGTGGACTTTACGGTTAACCTGAACAGGTCTTGGAAAA
AGGACTTTAAACATTCTCCTGTTCTGTGGAATAAGTATACTTTTTTCTGGACATACACCTTGTCAGTGAGT
TCCATGTGATACTAGAGTTGCATAGATTTTTAACCTTTACGCCAATGAAGATCTGAGGCACACATTGCCCC
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GCTTTCTCAGTCTTGCTGATGATCTTTCTATGGGCCTGAAGCGTGGAGAGTGCCAGAGAGGCTGATCCTCA
GCAGTGTGGCAGAGGAAAGTTGGGTGCGACTAAGGGGTATGCGGTGCCCACATGCCACTGGGTCCTCAGCA
GTACCACCTGATTGGAAGTGATATTGGTGGAAGACAACATTTTGCCGCTTGGAATTCTCACCTCCACACCA

Table 6
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AAGAAGTACTGTTTTTGTCATTTGCACCAGCTTCTTTCTCCAGGAAAGATCAAAACGATGCACTGCAAGTG
TGATTGGTCCAGATAGCTGCCTTATCCAACTGCCTTCTTTGGACCACTTCATCATGGGACAGCTTGATGCA
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GTGACCCCAGGGGAACTCTTGCCTGCTTGCTTTAAACCCACCACTTAAAAGTCTCCACAGACCTGTTTGAA
TAGTACCCTTGACCCAATAAGGGCATTGGCCCCTGGGTGTCTCTCTCTCTCTGTATCTGTCTCTACCTCTG
TGATCCTATGTCTCTCTCGATACCTTGACCTTGCGTGTGGACTTCAGGCATGCCATATACCGCTTATGACC
TGAAGCGTAGAATAGGATAACTTGAGCGGGGGCCCGGTACCTAATATTCCCTATAGTGAGTCGCTTTACTT
CACTGGCCGCCGTTTTACATCCTTGANN
Table3 3996
ACCGTGTTATGCAAATTAAGCACTTTTCTTCTAAATTCACATGAACTTTTAGAGACGTAGACTAT
GTTATTGAAGTAACTCATCCTAAGTGTCTGTAGTGATTGGAGATATTCTTGCTTATCAAATTGAAGTATTT
ATAAGTGAGTGACGTGATGTCTGAGATCTATCTTAAAGTAATCCAGTAGGGCAAAGATAACTTGAGATTGG
CCAGTTCTTGATAATTTTTGAAGTAGgCTGATGAGTACGCGGGGCTTCCTTTTCGATCCGCCATCTGCGGT
GGAGCCGCCACCAAAATGCAGATTTTCGTGAAAACCCTTACGGGGAAGACCATCACCCTCGAGGTTGAACC
CTCGGATACGATAGAAAATGTAAAGGCCAAGATCCAGGATAAGGAAGGAATTCCTCCTGATCAGCAGAGAC
TGATCTTTGCTGGCAAGCAGCTGGAAGATGGACGTACTTTGTCTGACTACAATATTCAAAaggaGTCTACT
CTTCATCTtGTGtTGAGacttcgggggggggctaaaaaaaggaagaagaagtcttaccccacttccaaaaa
gaataagcccagagaagaacggtaaactcggtgtcctgaaaaattttaaggggtggaaagggaaaaatag
gccccttcgccaaggggccctttgataaatgggggccgggggttttgggaaaggcctttgcgcagaca
tttttggggaaaaggtgttgagcttaaggtttacacaaacccaagagaccggttccttgtttggg
Table3 3997
NNNCAAGGTGCACNTAATCNGAATGCCGCGGACTNCAGCAGNACCGGNCACTGGCCCTCACTTCA
TTCCCCCGGGAGGAANGACCCAAAGTGAAATAAACAGCTTCCAAGTGCCCAAGGAAATGCTTGCTAGACAG
CTGTGATTCTCAACTTTAAAGAATTACTTTTCAAAAAGATTCTAGGGTTAAATTGCTATAGAACTTTATTA
TCTAACAACATTATTATTATTGAGAAGAGCAAGATAAGATATTTGCCAGTTCTGCTTGAATCTTTGCCTGG
AGGAGGAAAAATGTTTCATTGTGCAGGAAATGTATAAGGAAGCCTTACCTCCCTTTTCTCATCTCTTGAGG
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AATTTGTCCTGAACATTACCTTCACAGAGTAAAACTGTGCTACTGTCAATCTTAGACCATTTGATTGTTGT
CACTGAATTTGCCATAATCTGTAGACTAAAACTCACATACCACCCTTCTCTTACCACAGAGGTATCACTAT
TACAAAGAATCCTTTCCCTACTCATTCATATTCATCAAAGAACTACTTTAATTTTAGTAGCGTTCAAAATC
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TTAGTACTTGTTCTTAGGGAGCCATGTAACTTGTTTTCATTATTAGATCTTAGTACTGTTCACTACACACT
TAAAAAATGAGTGTCAAGTGCCTTTAGGGGAAGAACACTCTGCCTGCATGAAAATGTCTTAAAACTGAAGG
AAAATTTCAAGAACGCTCTTGATCAGAAGTCCAGACTGTAAACATAATCGCTGGGTCATGTCACTTGGAAC
CAGTACTCACATGAGGCACCAAATAAAGGAGATGATTTACCTTGGCTTCCGCCTCCTCTTCAGCAACCAGG
GCATCCATCCCCAAGCGCTGTCTTAACTCCNN
Table3 3998
NATAGCGCCGGGCAGAGGGACCCGGCTACCCTGGACAGCGCATCGCCGCCCGCCCGGGTCGCCGC
GCCACAGCCGCTGCGGATCATGGAACATCTAAAGGCCTTTGATGATGAAATCAATGCTTTTTTGGACAATA
TGTTTGGACCGCGAGATTCTCGAGTCAGAGGGTGGTTCACGTTGGACTCTTACCTTCCTACCTTTTTTCTT
ACTGTCATGTATCTGCTCTCAATATGGCTGGGTAACAAGTATATGAAGAACAGACCTGCTCTTTCTCTCAG
GGGTATCCTCACCTTGTATAATCTTGGAATCACACTTCTCTCCGCGTACATGCTGGCAGAGCTCATTCTCT
CCACTTGGGAAGGAGGCTACAACTTACAGTGTCAAGATCTTACCAGCGCAGGGGAAGCTGACATCCGGGTA
GCCAAGGTGCTTTGGTGGTACTATTTCTCCAAATCAGTAGAGTTCCTGGACACAATTTTCTTCGTTTTGCG
GAAAAAAACGAGTCAGATTACTTTTCTTCATGTATATCATCATGCTTCTATGTTTAACATCTGGTGGTGTG
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TACTCCTACTATGGACTTTCTGTGTTTCCATCTATGCACAAGTATCTTTGGTGGAAGAAATATCTCACACA
GGCTCAGCTGGTGCAGTTCGTGCTCACCATCACGCACACCATGAGCGCCGTCGTGAAACCGTGTGGCTTCC
CCTTCGGTTGTCTCATCTTCCAGTCATCTTATATGCTAACGTTAGTCATCCTCTTCTTAAATTTTTATGTT
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TTTTTCCAAAGCCTACTTCACTGCAGCAAATGGAGTGATGAACAAGAAAGCACAATAAAAATGAGTAACAG
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TTAATCTGTTAACTGAATGCTTTGATCAGCATTGAGGTGATGCTCACCTCCGAGGACCTCAGAACTGGTGC
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GCCAGTGCATAATCATTCCATTTGTTCCTTTAGCAATCAACCCCAGAAAATATTAAAATGGGATCATACAC
AGAAGATAGAAAAATCTAGCAAAACTTCTCTTTCTGTAAGCCAGAGTCTTGTCTATCAGATTCCCACAACC
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CATTCATCTGTTCATGTCTCCCTCTTGTGCCAGTCAGCCTAGGTTATACAGATGCCATGCTCCACACCACG
AGCAGTGTACAAATCTGGCTGCCCGTTTACTTTCTGAGCAAGCACTGGAGTCCACTCCGACCTTTTTCTTT
GAACATGCATGCTGCTGGAATATGTATAAATCAGAACTAGCAGAAGTAGCAGAGTGATGGGAGCAAAATAG

Table 6
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GCACTGAATTCGTCAACTCTTTTTTGTGAGCCTACTTGTGAATATTACCTCAGATACCTGTTGTCACTCTT
CACAGGTTATTTAAGTTTTTGAAGCTGGGAGGAAAAAGATGGAGTAGCTTGGAAAGATTCCAGCACTGAGC
CGTGGGCCGGTCATGAGCCACGATAAAAAATGCCAGTTTGGCAAACTCAGCACTCCTGTTCCCTGCTCAGG
TATATGCGATCTCTACTGAGAAGCAAGCACAAAAGTAGACAAAAGTATTAATGAGTATTTCCTTTCTCCAT
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CCTTATTTTTTTAAATAAGTTTTTAGGTCCTGACACTGACATCAAATACATGCACACCAGAAAGGCATTTC
CACCACCGTCCCCACTCATTAGCGTCCAGAGTGCCTTTCTCTCTCGGCTTTTTTTCCCCCCTGAGCTCTAG
TTTTAAACTTTCTCCTGTTAAAAAAATTGTACTTTTATTTCATGTAAACTGCCCCTCTGAGGATTTGGGCA
TATTTTTTGGAAGGTGCCTAATGCTTAGGATAGTCTCTAGGGTGATGCACTGCACCTGCTTCCTTCCCTTC
AGTGCGGCCGACCCATTTCTGTTGAACAGATGTCTCCTGTGTGATGCCCCTGACTCTTACATTTATCTTTC
TAAATCATTTTCTGAAGCTGACTTGCTCTAGGGTGCTTCATCACCACTTCCATCTTGCATCACCTTATAAC
TGTTCTGTCTTGTTCTCTCCCAGCAATTTATTTTAAAACAAGGGCTAGCTTCAAGCATGACTGTTAATGGC
TCCTCTGTGACAAAACACAAGTTGGACCAAGGAGAAAGCCCTTTGGAGAAACTGGACCCTAGTTCAGTTTA
GATCTCAAATATAGGCTGAAATCTCTTACCAAAGTGCGTTCCAGATAAAAATGAGACTTAGAAGACAGACT
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CATAGCATACCTGCCACTCTGGATGTTTTCCTGGGCTTCATATCTGTATGGCAAGGAGGGAGCTGTCCTTC
AGCAGACAAAGTCAAGCAGCTTTAAGTACAAGGCAGCTTGAAACCTCTCTGATGAAAGTGAAAAATGTGGG
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AAAACCAAAATGCTTATTTTAATGTGATTTTTCTAAAACTATTGAAAAATTAATATTTCTATAATCTATTA
AAAAAAATGGAGAATGTTTTCTCTCAAATTTCCTCTGACCCATGGGAATGAAAATACTTAAATACTGTAAA
GCATATCTATTAATAATTCCCCCANTTTTTAACCACCAATGGGTGTTACCGNTGGGTTTACCTGGCNTTGT
CCGGCTCCAATNTATTCGNACCCNTGGGCN

Table3 4000

ACAATTGTTTTAGAAGATAATTTGTTTTTCTCTCTTCAGTTTCGCATATTACTAAAGACAAATCA
TGGTAGGATTGGTTTGTTTATTATACTTGGCCTAACTATTTGTATACAATGCAGCAAGAATGATTATTTTT
TACTTAGGCTTTTAAGTAGGCTCTGATGGAACTTTGTTCCATAGCAGGAATCTCAGATAAGACTTTGTAAA
ACCCGTAAAACCCAGCCGAGCCATGGATTTATGCCATTAAATACCCATGAGTTGGGTGAAATTTCCTCTCC
TTTTGAGGGCCCAAGATAAACCTGGGGCGTCTGCACTTGTCAAAAAGTGATATTCTTTACTTACACAGTCA
GAAACCCTGTTCAGGGACTGTGTATACAGAATATGAGGCCAGTTTTTCCAAGGGCTTTATTGGCTCCGTAA
GTCAAGTTTGATTCCTTATAAGGAAAGCACATGATTCCAGNNNNNN

Table3 4001

ACTTTTTTTTTTTTTTTTTTGCTCCCAGTGGCGGGACACGGNGGCTTATTTTTACTCTTATTTAT
TTATTTATTTTTGGAGACTGAGTCTCACTCTATCACCCAGGCTGGAGTGCAGTGGTGCGATCTTGGCTCAC
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ATGCCACCACACTCGGCTAATTTATTTTTACAAGCAGATAAAGGTTTCTTTTATTTTAATGGCTGATCTAT
GTAATCACGGAGGCCAGTATGTACATTAGTTCCGTCCGGAAAGGCGGAGACAGCTCAAAGCAAGACCCCCT
ATTGGGGGCTTCGAAGTAACAGGTAGGTGAGAGACAGATGGTTGCATTCTTTTGAGTTTCTGATAAGTCTT
TCCAAAGGAGGCAATCAGAATATGCATCTGTCTCTGTGAGCAAGTGGATGACTTGAATANN

Table3 4006

NNNNNNNNNNNNNNACTCTATGTTTCTCTACATATTTCAGGCTGAGCCGGGCTGGCGGAAGAGGC
ACGTGCGCTGCTGAATGGAGCTGGTCGCTGGTTGCTACGAGCAGGTCCTCTTTGGGTTCGCTGTACACCCG
GAGCCCGAGGCTTGCGGCGACCACGAGCAATGGACTCTTGTGGCTGACTTCACTCACCATGCTCACACTGC
CTCCTTGTCAGCAGTAGCTGTAAATAGTCGTTTTGTGGTCACTGGGAGCAAAGATGAAACAATTCACATTT
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CCCTGTCGGTTGGTACAGATAAAACTTTAAGAACGTGGAATCTTGTAGAAGGAAGATCAGCATTCATAAAA
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CAAAATTGGCAAAAAGGAGCCTGGTGACACAGTGCACAAAGAAGAAAAGCGGTCAAAACCTAACACAAAGA
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CTGAAAGAACTCTTTTAGATGAAATCATTCTACTCAAATGTACCTTAATTTTTTTTTTTTCCCTGAGTAAA
AGCAAGAAATTTCTTCCTTTGGAAAAAATATATATATTAAAAAACCACTTTTAGATGGTTTTTTTTAAAAA
AAAAAAAAAAACTGGTAAAATTACTTTTGGCAGACAGTGTTTTATGAATTATGTATCATGTTGATATATAA

Table 6
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TATGTTAATGTGTCATGTAATTTTTACTTTGTACAAAGCAAATAAAGATCTTTCTCAAAATATACTGTAAA
ATAATATAAAATATTGAACACATTCTTTATCANNN
Table3 4012
ATTGGAGCTCACCGCGGTGGCGGCCGAGGTACAGAAAATTAGCAAGAGACATTTTCTGCATTGTG
AGAAATCAACATAGACACCTTAAAGACCCCTTTGAGAGTGTGGCTTTTTGAACTTTTCAGATTTTGCTCAG
TGACCTGCTAACACTTACGTGAGAGGCTCCAGGTGTAAATAGAATCTAATGGCAGAATCTGTAAGTGTAAA
CAAGCATCTTAGGAGTGAGAGATCAAGACCACAAAATGTCCAGAGCTATGACCACAGCTATACCTACCCAT
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GGCTGGAGCGCAGTGGCACGATCTTGGTGCACTGCAAGCTCCGCCTCCCGGGTTCATGTCATTCTCCCTCA
GCTACTTGGGAGGCTGAGGCAGGAGAACCGCTTGGAGGTTGCAGTGAGCTGAGATTGTGCCATTGCACTCC
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Table3 4013
NATAAGAAGAGGAGTGACAATCAAGCCAACAGTAGATGATGACTGAAGAATACCAGTTAAATAAT
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GGTTATGAAAACTTAGGGACTAAAATTAATATAAAAATTGGCATAATGTTGGATTGAATCTACATTTTGGC
AGAAGTTAAACATTCCCACATAATGTCAAAATTATACATCATGCAGTTCTGTTTTTTTGTTTGTTTTATTT
TGTTTTGTTTTTGAGTCTGGCTCTGTCACCCAGGCTGGAGTGCAGTGGCGTGATCTGCAACCTCTGCCCCC
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TGATCAGCCCACCTCGGCCTCACAAAGTGCTGGGATTACAGGCGTGAGCCACCTTGCCCAGCCCACATCAT
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ATCTTTGAAATTTTGCTGAAACAGGAAATGAATGGATTCGAATGAAATTGTCTTTAGAGCATGATTACTGT
TCCCATGGACAATATTTTTCTCCCTTGTCTTCCTGGCTGAACACGGAACCAGAGTCAAAGTATCTCCCTCT
CCTGTGATGCTTGAGATTTTCTGGTGTTATGCTGAATCAGTTTCTCTGGAAATCCTGTTTTCAATATTTGA
TGGTACCAGATCTTTGGCTATAGTGTTACGGTTACGGGGGATTTCCCACTTGGTGCAGTGCTAAGTTAGAA
AAGGGTCATCGGCGCCCTTAGCTAGGTTAGGACGGAGGTGCTGTGCACTCTTGTGGTGTGGGGTTCNN
Table3 4015
ATTGGAGCTCACCGCGGTGGCGGCCGAGGTACTTTGGTATGTTTTTGTCTTGAAAAGAGGTTTTC
TAGCTAGAAATTCGGGGCCCAGAAGGTCAAGGCTCCAGAGATCCCCTTCTCATCATCCTTCAGTTGTCTGA
GGAGACAGAGGATCACATGTGTCACAGTGAGTGCTGATTCCCCAGAATCTGCAGTCTTAAGCTCCCCTGCT
GACGCACACAGCCAGTTCTCTGCTTCATATTCATGTGACCCACTGTGAAGTGACAGGCAGCTGCCAATTCT
GTCATATAAGAAGCAGCTCTGCCCATGCAACTTTGAAAGTTCCTGCACTTCTCCATAGACTGCTCCTTCAT
GGAAATAAACACATCATCACACTGTGGGTGCCTAAGCTAAGTTTGTTTGCAGTTTGATGATGCCCAGCTCC
TTTTCAACTCAGCCTTAATTGGCACTTTAAGGGCCAGGATGAGGTTTCTCTCAGGCCAAGTCGAGATTTCC
AGATTTCCTTTTGTCCAAGGCTGACCAGTTTAGAAGTTATTCACATCCTTGTTTTAGTTCTTTCCTTCTTG
TCCTGGTACCTCTTCCTTTCCAGGATTATTTGCAGAGTCTGTGATGGCTTACTTGGTGACCAGACATGGGG
TGAGCTACTGGTATAGTCTGATTACTTTGACATCTATTCTGAACTGGTCATTGGCTGTACATGAGTTTTTG
TGCTGGTAAAGGAATATACTGGGAAGATTGGAAGGCACAGACTGGGAACTAATTCTGAGAAGAGAACTGCT
GAGTTACTGAAAGACCTTTTGGACCACCCCTAAATGGAGCATCTTGATAGATGGCAAATCCAGTGTTTCTT
AAACTTGTCCATGCTGCCCAGAGCCCACTGCCTTTTATCAGATGTGAGACTTCACTGCCACAGTGTCATCC
CACAGTTTCCTTCCCTGGACATTTGATAAAGGGAAAATCATTTCTTGTCCTTTAAGGCAGGGACTATTATT
TTTTCACTTTTCCACATACCCCACAACACCTAACATTGATTTACTCGTAGTAGGAGTTTCATACTGTTGAA
CTCTCTAAAGGCCATTTGTTCCAGGGCCTAGCTGGGCTTGTGAAGGACAACAGAGTCATTTCCTAAGGACC
CCAAAAGACAGCATGAAGGAAAAAATAATAATAAACTGCTGTTCACAGTGCCTTGAGTGTACCACCGTCCT
TTCTGCTATGCCTTGTCCATTCCAATCTGGACAGTCTCTGTGCCCCTCCTTTCCACTCAAGTGTTATCCAG
CACTCAAGTTCTGGCTCAAGGCCCAACATCTCCGTGGGGACCTCAGCCATCCCAGGGCATTGTGACCCCTT
CCTCTAAGTCCCCGGCACACTCGCTGATTGGTACCCTCTCATTCGACAAAGCATATGCCATTGTGGCTTAC
TTGTCATTTCTTTAGGTCTTGCCTTCCCAAGTAGATCATGAGCCACTATAAGAACTAGCTCCCATAGTCCC
AGCCCCTGGGCCTGGTACATGGCAATGCTTAGTGATTGGTGATTGAGGATAATGGTGGTAAAAGGATGTAC
CAGACACGTCATCTCCTGAAGAAGAATGCCCGAACAACCTGTCCTTGTTTTAATGTACTTTCTCTTTCTTT
CCTGTCCAGTTTTATTTCCTCTCATAGTAAACTGGCTAAAAAAATATGTCAAGTTTCCTGGTCATCTCTTT
CCAACCCCTTTTTCTTCCCCTCTCCCCTGCATGGTTGGTCTGGGCCTGTTGGGTCCAACTAGCAACTCCCC
TTAGGTGTGGCTAAATCTGCCTCATGGCCAAAGCCAATCCCATTTCCTGTCCCCCGTTACCCAAGGACTCC
CAGTCTGTATGCACAAGGCGGGTTGTGAAGTCTGCATGTGCAAGAAACCCCAGCTGTAAGAAACAGCTTCC
CTCGTTGGCATGGGTGGTCATGCTAATATTCCAGCATTTGAGAAGGTCGAAGTGGGCAAATCACTGGAGCC
AGGAGTTCGGGACTAGCCTGGGCACATAGAAGATTACTTTAAAAAAAAAAAAAAAAAAAAAAATTGTGCGC
GCGGCGAGAANN
Table3 4017
TGGGAAGTGAGGTGTGGGAACCCGGCGGCGGTCTGATGAATTCAGTGGCAGTGAATTGAGACCGG
AGGGAATCTGGCCCCTAGAGGCTGGTACTTGGGCCCGAAACCCCCATCTCCGGCGGAGAGACCGTCCGAGG

Table 6
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TAATTGTCTGCCACGAGTGCACATTCTGAAAACAGGAGATTTTAGTTCCTAAAAATGGGAAGAACCTACAT
TGTAGAAGAGACTGTTGGCCAGTATCTTTCAAACATAAATCTCCAAGGAAAGGCTTTTGTCTCTGGCCTTT
TAATAGGACAGTGTTCGTCACAAAAGGATTATGTGATTCTTGCCACTAGAACGCCACCCAAAGAGGAGCAA
AGTGAGAACCTCAAACATCCCAAAGCTAAGTTGGATAACTTGGATGAAGAATGGGCCACAGAACATGCCTG
CCAGGTATCCAGAATGCTACCAGGGGGACTTTTAGTTCTTGGAGTATTTATTATTACTACTTTAGAACTGG
CAAATGATTTTCAAAATGCCCTGCGTAGACTAATGTTTGCTGTGGAAAAGTCTATAAATAGAAAGAGATTG
TGGAATTTCACAGAGGAGGAAGTCTCAGAACGAGTGACACTTCACATTTGTGCTTCTACAAAAAAAATATT
TTGTCGAACTTATGATATCCATGATCCAAAGAGTTCAGCAAGACCAGCAGATTGGAAGTATCAAAGTGGAT
TATCATCCTCATGGCTTTCTTTAGAGTGTACAGTTCACATTAATATTCACATCCCACTTTCTGCTACTTCT
GTCAGCTATACTCTGGAGAAAAATACAAAGAATGGACTTACACGCTGGGCCAAGGAAATAGAAAATGGTGT
TTATTTGATTAATGGACAAGTTAAAGATGAAGATTGTGACCTATTAGAAGGACAGAAAAAATCTTCTAGAG
GAAATACTCAAGCAACTAGTCATTCTTTTGATGTCAGAGTGCTAACGCAGTTGCTCCTGAATTCAGACCAC
AGATCCACAGCCACAGTCCAGATATGTAGCGGTTCTGTAAACCTTAAGGGTGCTGTGAAATGCAGAGCTTA
TATCCACAGCAGTAAACCCAAAGTTAAAGATGCTGTGCAGGCAGTAAAGAGGGATATATTGAACACAGTTG
CTGATCGTTGTGAAATGCTATTTGAGGATCTGCTTTTGAATGAAATTCCAGAAAAAAAAGATTCTGAAAAA
GAGTTCCACGTCCTCCCTTATCGAGTCTTTGTTCCCCTTCCTGGATCCACTGTAATGTTGTGTGATTATAA
ATTTGACGATGAGTCAGCTGAAGAAATCAGGGACCATTTTATGGAGATGTTGGATCACACAATTCAAATAG
AAGATTTGGAAATTGCAGAGGAAACAAACACAGCTTGTATGAGTTCTTCTATGAATAGTCAAGCTTCATTG
GACAACACAGATGATGAACAACCAAAACAACCAATTAAAACTACAATGTTATTGAAAATTCAGCAAAACAT
AGGTGTGATTGCAGCATTTACAGTTGCAGTCCTTGCTGCGGGTATCTCCTTTCATTACTTCAGTGATTAGG
GTGAGGCACAAAGAGTTTCTTGATCATCCAGAGAACATTGACAGACAATTATGAATAATAAAGATGTTAAC
AATCCATCTGTATTTAAAACACTAGCAGCCAGATCTGCTGCCATGATGCCTATTTGGTGTGTTTCTGATTA
AAATGAAATCACAAGCTGCCTTGTTTAGCCTGCTTTACATTGTAGGTGGCCCGCATTTCCAGAAATAACGT
TATGCATCTAGATGGAAGCTGCATGTAACAAATCATTATTATCTATTTTTAAAAGCTTCAAAATGATGGGA
TATGATCATAGATTTTAGTCTTACTAATCTGAATCACATATTAATCAGGACATTAAAAACTTTAACAGAGG
CATGATGGCTCACACGTATAATCCTAATGCTTTGAGAGGCTGAGGTAGGAGCATCACCTGGGGCTGGGAGG
GAGTTGGAGACCAGCCTGGATGACATAATGAGATTCTGTCTCTTCTGGAAAAAAAAAAAATTAGCTGGANN

Table3 4019

GGACATCCGGCTGATGGTCATGGAGATCCGCAATGCTTATGCTGTGTTATATGACATCATCCTGA
AGAACTTCGAGAAGCTCAAGAAGCCCAGGGGAGAAACAAAGGGAATGATCTATTGAGAGCCCTCTCTCCCA
TTCCCTGGCAGGTACCGAGGTCATTTTGCTTCCTATAGACTGCCACCTTTTGGCAAAAGCTGTTCTAACTC
CATCTCAGCATTTACAATTCCATACCTGGTGGTCAGAGGAGGCCCGCCTGCAGGCTCAGCTAAATCGGGCT
GATGGCATTCCAATTACTCAGGCTCAGCTCACAGGCTCCGATAATTACTCTGATACTACTGCTCATTTAGG
CTTTGATGCTCTCACCACGGAACAAGTAACAAAGGTGTGTATGAGAGCTTGGGATAAATTACGCACCCCAG
GCCAAGCTTCTGTTTCTTTTACTATTGTTAAACAGGGTCACAATGAATTATATCTTGATTTTTTAGCTAAA
TTACAAGATGCTGTTGAAAAATCTGTCTCTGATGAGCACACTCAAGGTATTCTTCTTCATATGTTAGCTTT
TCAAAATGCGAACCATGAGTGTAAAATGGCCGTGCATTCCATCCTACGTCAAAATTTACCTGATCATGAGG
TGTTGCCTGCATATATTAAAGCTTGTGAAGGCGTTGGATCGGAGACCCACAGAGCTATTCTGTGGGCACCG
GCCATGAAGCACGGCAACCAAACTGGCTCGACTGATTCTTTTCTTGGAGCCTGCTATAATTGTGGCCAACT
TGGTCATACCCAAAAAAACTACACTGTTAAAAACTTAAAAGCGGCCAAGCCGGCTCAACAAACACGGCCAA
ATGCTCCTGCTACTGT

Table3 4021

NNCCAAGTGGCCTACAAGAGAATACTGCTAAGGCTGTTAACACATACAATTTATGCAGGAGAATA
TTCCAAGCTTCCTGACTGCATCACACTTTTAACTTTTTCTTACATTCGAAACTACACTTAGAATCATAACA
AACTTCATTTTTCAAACGTTTGACTTTGAGGTGTGTACAAGTATACTCCGACTCTATAAACTTACTCTTCT
TTAAAGCAGATCATCCTATTTATCATAAGATTATTAAAAATGTATACCTTTGCTTTTATTTGCCATAAAAA
AAGCTTTCTTTGGAATAAAATAGATTTTTATCCAAAGATGCAGAACTGTTTTCAAGATAAATCCAATCTGA
TCAATTTGACAGATTAAGACTCTCTTCAATAGTAATTCCTCAAATTATTTAAATAATTTATGAAACAGTAA
AGGCTTAAAATATGAATTACATAGCCTTAAAAGTTCTAGATCCTTCATGGATTTTATTTTTGGTTTATTAT
TGCAGGAAAATTACATACAAATCTTTTGAGAAAAATAACAAAACCAAGACTTTTTTTCCCAGTTTGCTATA
AGCGAGCTCAATAAAT

Table3 4022

AGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGGCCACATCTCTTTGTCCCATTAGTTGA
GATGACTTTTAGTAGTTTATTGTCCACAACTCTTCTGTGCAACTCTTCTGACCTCTGGGACTACTGCAACA
GTAGCCCTATTGCGAGATGGTATTGAACTGGTTGTAGCCAGTGTTGGGGACAGCCGGGCTATTTTGTGTAG
AAAAGGAAAACCCATGAAGCTGACCATTGACCATACTCCAGAAAGAAAAGATGAAAAAGAAAGGATCAAGA
AATGTGGTGGTTTTGTAGCTTGGAATAGTTTGGGGCAGCCTCACGTAAATGGCAGGCTTGCAATGACAAGA
AGTATTGGAGATTTGGACCTTAAGACCAGTGGTGTCATAGCAGAACCTGAAACTAAGAGGATTAAGTTACA
TCATGCTGATGACAGCTTCCTGGTCCTCACCACAGATGGAATTAACTTCATGGTGAATAGTCAAGAGATTT
GTGACTTTGTCAATCAGTGCCATGATCCCAACGAAGCAGCCCATGCGGTGACTGAACAGGCAATACAGTAC
GGTACTGAGGATAACAGTACTGCAGTAGTAGTGCCTTTTGGTGCCTGGGGAAAATATAAGAACTCTGAAAT
CAACTTCTCATTCAGCAGAAGCTTTGCCTCCAGTGGACGATGGGCCTGATTACCAGCTGGGACTTAGAGTT
TCTGTGCAACAGTTTTTCACTGAGCATGTCAAGAAACTGATAAGATCAAAAAGGTCTCCTAACTCACTAGA
TCAGCGCACAAGTCAGTGTAAACCACTTAGATAGTAGTTTTTTCATAAATGCTCATCATATTTATGTTCCG

Table 6
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CTGTACATGTTCAGTATAAATATATGTGTAGTGAAGCTACTGTGAGTCTTTAAATGGAAAGAGCAAATGAG
AAGTGGTTTGGATACACTTGATGAGAGATGAGAGTGTCACATTAATAATTTTTAAGACTCTTAGGCAGCTA
TGGGTTTCTTTTGATCATTTTTGTTCTTTATTCATTTGAACACGTTTTTGAAGTTCTTCAAAACTAGTCAG
TTTGAATTTTGACAGCTATTCAATATGTGATCTCCAAGTTTAAAAAAAATTTTTTTCCAGACTTCCCTAATC
CTAAAATGCGAGTTTTTTATTTTTAATAACTGTACCAAGGAATAAGTATGAAAACAGTTCTCTGTTACCATA
TTTTGTATTCTGGACCACTTACTGGTGAAAGCAACCATGCAAAAGAAATTAATTTGGCCAGGCACAGTGGC
TCATGCCTGTAATCCCAGCACTTTGAGAGGCCAAGGTGGGTAGATCATCTGAGGTCAGGAATTCAAGACCA
GCCTGGCCAACATGGTGAAACCCTGTCTCTAGTAAAAAACAAAAAAAAAAAATTGGGGCCGCGCCCCAGAA
GGTAACACCGCGGGCCCGCCCAAAAAAAGCACACGCCCAAACCGGCCGGATGGGGTCCCAAAAACGGGGCG
GGTCAACCCAGGTGGCCGCACAGCANNNNNNNNNNNNNNNNNNNNNNNNN
Table3 4024
ACTCTTTTTTTTTTTTTTTTGGTaGagaCAGGGGTCTCACCATGTTGCCCAGTATGGTCTCAAAC
TCCTGAGCTCAAGCAATCTACCTGCCTTGGCTTCCCGaGgtgCTGGGGTTACAGGtATGAGCCACCACACC
TGGCCTTGAAATGTATTTCTTAAATAAGCCTTGAaggtcaaaATTACtcCTTGAACCATTTGCTCCAaaAT
GGATAgTgtgTTGATAGGCCTGAAAACAACATtcatttccTTgtACGCGGGGGGGCATCACGGACCTACCA
ATATGTGATGTCACCCCTGGTGGCCCAGCTGTGTCATGGAGAAACTCCAGCTGGGCCCAGAGATTCTGCAG
CGGGAAAATCCAAGGCTTATTTATGCCAGGCTGAGTGGATTTGGCCAGTCAGGAAGCTTCTGCCGGTTAGC
TGGCCACGATATCAACTATTTGGCTTTGTCAGGTGTTCTCTCAAAAATTGGCAGAAGTGGTGAGAATCCGT
ATGCCCCGCTGAATCTCCTGGCTGACTTTGCTGGTGGTGGCCTTATGTGTGCACTGGGCATTATAATGGCT
CTTTTTGACCGCACACGCACTGGCAAGGGTCAGGTCATTGATGCAAATATGGTGGAAGGAACAGCATATTT
AAGTTCTTTTCTGTGGAAAACTCAGAAATTGAGTCTGTGGGAAGCACCTCGAGGACAGAACATGTTGGATG
GTGGAGCACCTTTCTATACGACTTACAGGACAGCAGATGGGGAATTCATGGCTGTTGGAGCAATAGAACCC
CAGTTCTACGAGCTGCTGATCAAAGGACTTGGACTAAAGTCTGATGAACTTCCCAATCAGATGAGCATGGA
TGATTGGCCAGAAATGAAGAAGAAGTTTGCAGATGTATTTGCATAGAAGACGAAGGCAGAGTGGTGTCAAA
TCTTTGACGGCACAGATGCCTGTGTGACTCCGGTTCTGACTTTTGAGGAGGTTGTTCATCATGATCACAAC
AAGGAACGGGGCTCGTTTATCACCAGTGAGGAGCAGGACGTGAGCCCCCGCCCTGCACCTCTGCTGTTAAA
CACCCCAGCCATCCCTTCTTTCAAAAGGGATCCTTTCATAGGAGAACACACTGAGGAGATACTTGAAGAAT
TTGGATTCAGCCGCGAAGAGATTTATCAGCTTAACTCAGATAAAATCATTGAAAGTAATAAGGTAAAAGCT
AGTCTCGCTCTAGAGGGCCCGCGGTTCGAACAAAAACTCATCTCAGAAGAGGATCTGAATATGCATACCGG
TCATCATCACCATCACCATTGA
Table3 4026
NNNNACGCGTCCGGGCTTGGGGGACACAGAGAAATCTCAGATGATGTACAGGTTTCCAGGTTGTA
CACTAGTATTTAACCTAGACGTGAGGAAGGAGTAGGAAATTTTCTGGTGAATACAGAAGAGCAAAGAACAG
CAGGTCAGCAGGAATGACTAATGTTTTTCTATGCATGTTTAATGGAATATTCGTGTAGGATATTTTGAGTA
GGTAATTGGATAATCAGCATTTGTAACTTGCATCCTAGTAGTCTGACTCTCACTAATAAGACTTGTCAAAG
TTCCAAGAATCTGAAAGTGGATGATAAATGTCCATGTGTATCACCATCCATGACCGAAAGTCAGCATCCAC
AGAACACAGAATTGGGACAGATGAACTTAATAGATAAAGATGAATATCGGAGTTGTTCCTCTTAGGGAATG
ATACTCTCCATGACCTGTGTGAGTCACAGCTGCCAGAAAAGAAAGAGCAAGGAGCGTATGAAGGCAGCACA
GCAAATTCAGTCCTAGAGTGCCCTGCTTGACTTCATGTCATAGTTCTGACTTCTAATAAATCATTTTCTGC
AAAATATGCTCTGTGATTTTTTCCCTCTTGCTGCCTGCAGCCAAACAGAATCCCTTTAGCAGGGCATTTTT
GTGTTCTTCCTTTAAACAAGGCAACATATAAATAATGAAAACAAGAGAAAGAGTGGTTTTTGTATGGGATA
GTATTTAACGTAAACTTGAGAGTGAGT
Table3 4028
ACAAAGAAGAGCATCCGTTCGAGAAGCGCCGCTCTGAGGGCGAGAAGATCCGAAAGAAATACCCG
GACCGGGTGCCGGTGATAGTAGAAAAGGCTCCCAAAGCTCGGATAGGAGACCTGGACAAAAAGAAATACCT
GGTGCCTTCTGATCTCACAGTTGGTCAGTTCTACTTCTTGATCCGGAAGCGAATTCATCTCCGAGCTGAGG
ATGCCTTGTTTTTCTTTGTCAACAATGTCATTCCACCCACCAGTGCCACAATGGGTCAGCTGTACGCGGGG
GGGCAAAAAAATCAAGGTATTTGGTCCCGGAACAAAGCTTATTATTACAGACAAATAAAACACCAAAAGCT
TTAAGTTATTTGATTTGTGGAGCAACAGACCTTGTTATGAGCAAAATGAACCGGGACTGGAACCCTGGTCN
NNNN
Table3 4029
ACGCGGGGGCACAAAGCTGGAATAACCCTGCCAGTTCTTAGAAGCTTTAAGATTCATCGTCTTGA
ACTTGATACACATAGTATAGCACCTTAAAAACGAATCATCTGCTAGTTCAGTATTTTCTACTTACAATCAC
TCCCTCCCAGGGCATGTAATTAATTTACTGAGCTTAAAAAAAAATATCAGGATTACTCACACAGTCTTGAA
GATGCAATGTCAGCTATTTAGGACAGAAACATCCAAGGCCGTGTCAGAACTCAATTACGACTACATATGCA
TTAAGGCAGGAACTGGCAGGCCTCAGGGTACGCCAACTATAGGACTCGTGCTTCTCGTACGCTGGGCTATA
ATCTATGAAACTGAGCTCCAGAGCCAGCCAATCACTTAGCTCCTCATAACAAGTCTAACTGGCTCTGGAAA
GCTGAAAGGGCTGCACTGGAACAACACAGATGAGATATTCTACACATTAATCTACTTATCTGGAATCACTT
TGCCTCTAAAGGCCAGAGAAAAATCACAGCTTCCTTGTCGGAGGGGAAAAGGACAGGTGATCTGGGGAAAA
CGCAGCTACACCTGGAGCAAGGTCTCTTCCCGGCTTGGCAATCTCAGCTGTGCCGGCGCTACGGGACCCGA
GCCGTCCCAGAAACCAAAGGGCAGGCACGGCAGCAAACGCCTGAGTGCTGCTGCCTTCGGTGACTATATGA
GAATGGAAACTTCTAAGGAAGCCAGGTTGTTAGAATTGTTACCCCCTTTACTCAGAGATAACATAGATTAT
CCAGGCTGAGATGGAAAACAAGCCCTTTATTGAATTTTCAACACAGACTCCCTGCTTCTCATCTCCTTAAT
AAAATTTCATTAAAATCCCCTTGAACTCCCATGTTCAAATCTCCATTTGTTGACAGACAAAGCCAACAATA

Table 6
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CTCTAAACTGAGGCCTGCAAGTCATTTCATTTGTATTTTTGTCCAGAAATTTCCCATAGGAAGACTTCACC
TCCTACAACTCCGAAGAAAACCCTTACTGTCCAAGACCGTCACCAGCAACCATCCGCAGTCATTCAAGTGG
AAGCTTTCACAGCTTTTGTACATTCTCTGTGTCAATATACAACTGAGTTACAGACTGTCCCCTGGCTCCCT
GACCCTTACAAACACTAAAAGTTTTGTTTGACTCAACTTCAAGCTGCTCATCTGTTAGTAAGTGATGTTCA
CTCCAGAACACATTCATGATGAGAACTTTCTAAAAGACCAGCACTGCTCTTCCCCTCCTATAATCATAATA
ATCATGATAACCTGAAACATGTTACTGGGACTCGACATTTTTCTGGGGATTGAAATCTTTAGTCCTTGGAG
CTGTCACATAGCAGGGGCAACCTCACACTGAAACAAAGGAAGTGATGTCCCATTATTATCCACCCTGAGCC
ACCATAATATGCTGTTTACATTTATTTTCTTCAGCCTGTGCAAAACAAAGCAATGGAAAAGGAAACTAAAA
AATATACATACTAGTACCATTATCTTCTTTTGCCTAAAATTACTAATGCACCACGTCAGTCTGCTTCCTTC
AGGCATCATTCTCAATTCATCAGGACTTGTATTAGCAGGTTCTGGCTAGAGAGACTATCTCCTGTCATCAC
GATCAATTAATGTTTTCTGGTGATCACATCAGGCCCTATCTAAGAAGCTCATGGTATACAAGGGTCACCCA
AATAGCTGAGTGCAGTCCTTGCTCATATTTCCTTCATCTTAACCCCGCAAACAAGAATTAAGATGATCCCA
ATAAAAGAAAAATTGCTCAGGAAACTGAACCTTTTTCTGAACCAAGCACTGTCAGCAAATCTCAGGTATTA
GAGCAACTATGGTTGATTGAAAAGTGTCTCAAAATCTGGGCCAAGAATGATTGCTAGGTCCATAAGCTAAT
TTGTCTGGCCTTGCCATTTACGTAAGCCAAAGAAAGTCACTCATGAGTAAACTATAGAAAACGTTCAGACC
CATCCTGTTAGTATGTCAAATCAACTAAGACTGGCAGGGTATTAACTCCATTCCAGGTGACATGGATAAAG
AGCCCCATTATTTTCACAGTGCCAGCCTCTACCTAAGGAAACCCTAGACCTTGGAACCAGTTTCCTGGTAG
GGAACTGCTGACAGTTTCAATGCTGACAGTTGGAGCCAATGCCTCATAGTGTAAACTGAAAGAAAAATAGT
TGCTTTTTAAAATGTCAGCAAGAAGGCCTGCCTCATCTTAACAAAGCAAAAAAAAATGCTTTAATTCAAAT
TAAAAATCATGATACTAGAGATGGGAGTCTGTGGTCACTATAAAGATAAAGTTCATGTTCTTGGTTCAGAT
AACAAAACACTTTATCTGGATAAATGGACCTCAAAATTTGCTCTTGGCACATGGGGGAAATTTTTTGTTGT
ATTTTGTTGTTGTTGTTGTTCTTGTTGTTATTGTTTAAATTAATCTTCCTAAGGCCATGAATATGAAATCA
TATTAATAATGCATGTGACAAAATTCTAAAATATATTACACTTAAAATTAGCATAAACCATCAACTTTTAG
T

Table3 4030

CtacTAtaGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGGGAACAGCATATTTAAGTTC
TTTTCTGTGGAAAACTCAGAAATCGAGTCTGTGGGAAGCACCTCGAGGACAGAACATGTTGGATGGTGGAG
CACCTTTCTATACGACTTACAGGACAGCAGATGGGGAATTCATGGCTGTTGGAGCAATAGAACCCCAGTTC
TACGAGCTGCTGATCAAAGGACTTGGACTAAAGTCTGATGAACTTCCCAATCAGATGAGCACGGATGATTG
GCCAGAAATGAAGAAGAAGTTTGCAGATGTATTTGCAAAGAAGACGAAGGCAGAGTGGTGTCAAATCTTTG
ACGGCACAGATGCCTGTGTGACTCCGGTTCTGACTTTTGAGGAGGTTGTTCATCATGATCACAACAAGGAA
CGGGGCTCGTTTATCACCAGTGAGGAGCAGGACGTGAGCCCCCGCCCTGCACCTCTGCTGTTAAACACCCC
AGCCATCCCTTCTTTCAAAAGGGATCCTTTCATAGGAGAACACACTGAGGAGATACTTGAAGAATTTGGAT
TCAGCCGCGAATAGATTTATCAGCTTAACTCAGATAAAATCATTGAAAGTAATAAGGCTGGTAGCAAGTTC
TGGATCTTATACCCAACACACAGCAACATCCAGAAATAAAGATCTCAGGACCCCCCAGCAAGTCGTTTTGT
GTCTCCTTGGACTGAGTTAAGTTACAAGCCTTTCTTATACCTGTCTTTGACAAAGAAGACGGGATTGTCTT
TACATAAAACCAGCCTGCTCCTGGAGCTTCCCTGGACTCAACTTCCTAAAGGCATGTGAGGAAGGGGTAGA
TTCCACAATCTAATCCGGGTGCCATCAGAGTAGAGGGAGTAGAGAATGGATGTTGGGTAGGCCATCAATAA
GGTCCATTCTGCGCAGTATCTCAACTGCCGTTCAACAATCGCAAGAGGAAGGTGGAGCAGGTTTCTTCATC
TTACAGTTGAGAAAACAGAGACTCAGAAGGGCTTCTTAGTTCATGTTTCCCTTAGCGCCTCAGTGATTTTT
TCATGGTGGCTTAGGCCAAAAGAAATATCTAACCATTCAATTTATAAATAATTAGGTCCCCAACGAATTAA
ATATTATGTCCTACCAACTTATTAGCTGCTTGAAAAATATAATACACATAAATAAAAAAATATATTTTTCA
TTTCTATTTCATTGTTAATCACAACTACTTACTAAGGAGATGTATGCACCTATTGGACACTGTGCAACTTC
TCACCTGGAATGAGATTGGACACTGCTGCCCTCATTTTCTGCTCCATGTTGGTGTCCATATAGTACTTGAT
TTTTTATCAGATGGCCTGGAAAACCCAGTCTCACAAAAATATGAAATTATCAGAAGGATTATAGTGCAATC
TTATGTTGAAAGAATGAACTACCTCACTAGTAGTTCACGTGATGTCTGACAGATGTTGAGTTTCATTGTGT
TTGTGTGTTCAAATTTTTAAATATTCTGAGATACTCTTGTGAGGTCACTCTAATGCCCTGGGTGCCTTGGC
ACAGTTTTAGAAATACCAGTTGAAAATATTTGCTCAGGAATATGCAACTAGGAAGGGGCAGAATCAGAATT
TAAGCTTTCATATTCTAGCCTTCAGTCTTGTTCTTCAACCATTTTTAGGAACTTTCCCATAAGGTTATGTT
TTCCAGCCCAGGCATGGAGGATCACTTGAGGCCAAGAGTTCGAGACCAGCCTGGGGAACTTGGCTGGACCT
CCGTTTCTACGAAATAAAAATAAAAAAATTATCCAGGTATGGTGGTGTGTGCCTGTAGTCCTATCTACTCA
AGGGTGGGGCAGGAGGATCACTTGAGCCCAGGAATTTGAGGCCACAGTGAATTAGGATTGCACCACTGCAC
TCTAGCCCAGGCAACAGAACAAGAACCTGTCTCTAAATAAATAAATAAAAATAATAATAATAAAAAAGATG
TTTTtcCCTACAAAAAAAAAAAAAAAaaa

Table3 4031

ACCGTTTTTGTTGGTTTTTTTCTCCCTCAAAGTGAAATGAGAGACTATTGTAGGGTTTTGAGCCA
AGGAGTGATATTATCTGAATTCTGTTTTAAAAGGTTCATTATGGCTCCTGTGTGGAGGCAGGGTAGCTACT
TAGAAACCAAGCCATCTCAGCCTCCCGATTTGTAGAGATGTGGTCTCACTATGTTGCCCAGACTGGTCTTG
AACTCCTGGCCTCATGTGATCCTCCCACCTTGGCCTCCCAAAATACTAAAATGATAGATATGAGCCGCCAC
ACCTGGCCATAAGCTTCAGCCTTGAGCAGATACTTTCTAAACACTTTATATAGGGAAAAAAAACTAATTCT
TGCGTAGCCAAGGTGTTCATTTTGCCGAGAATAACGTAGCATAGTGTTTACAATTACGTGGGTGTAATTTC
TAGCTTTGTGATCCTGAGAGACTGCCTTATCCTCCATATGCCTCAGTTTTCTCATGTGTAAAAAGGGGGTA
ATAATAATACCTGACAGGGATGTTGAGAAATCCATGTAAAAGTACCTGCCCGGGCGGCCGCTCGATTATCC
TCAAAGTCATCTCTTGTTCCCACAACCCACTGCACCTGGGAAGCTGGACAGCAGGCCCAGCTGAAACAAGG

Table 6
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AGGTCTCTTTGGTTCAGGTTGGCACTAAGGTGCCCAGTGGTCAGATGAGCAGCCTCAGGTTTGCAGGAGCC
AGTAGTTCCTGTCTTGCTCCTGGGGGTACTTCCAGAAAAGCCAGAAGCGGATAAAGCTGGTGACGATTCCT
GGAAAGTTGGACACCATGATATAGGGATCTCTGAGTCGGAACCCATAGAGGCACCAGGAGGCAGAGGTGAG
AAGGGTAGCAATGGTGAGTGGGTAGTAGAGACATTGGGTTGATTTAGTTTGAATCACCTTAGCCAAGGGTG
AAGACCACGCATGCTCCGTAAATGAGCGAGTCCAGACAGCCGCCCGCCTCCATTCCGACTAGAGTCGGATC
CCGCCGGACGCGTGGGTCGACTCCCT
Table3 4032
NNNNNACACAGTCCAATGATGCTAAAAAGCAAGCACATATGTAAGTCTGCAAAATAACCAGCTGA
CAGCATGACGACAGGATAAATTCCACACATACCATTACTAACCTTAAATGTAAATGGGCTAAATGCTCCCA
TTGAAAGACACGGGGCAAGCTGGGTAAAGAACCAAGACCCACTGGAGTATGCCGTCTTCAAGCAACCCATC
TCACGTGCAGTGCCATACATAGGCTCAAAATAAAGGAATGGAGAAAAATATTTCAAGCAAATGGAAAACAG
AAAAAAGGTGTTGCACTCCCAGTTTCTGACAAAACAGACTCTACCAATAAAGATAAAAAAAGAGAAGGACA
TTACAAAGGTGGTCCTGACCTTTGATAAATCTCATTATTGCTTGATACCAACCTGGGCTATTTGTATTGCC
CAAACCAATAGGATAATTTGCTGAGGTTGTGGAGCTTCTCCCCTTCAGAGAGTCCCTGATCTCCCAAAATT
TGGTTGAGATGTAAGGTTGATTTTGCTGTACAACTCCTTTTCTGAAGTTTTACTCATTTCCAACAAGGAAG
GCAAGTTTTCCTGCTTCCATGACGATGGAGAGCAGGCACCTCCTTTCCTGAGTTTCAGCTTGCTTCTGACA
GGGAAGGTGAGTGTAAGTTTTTTCCAGCTTCTAAGATGGCAGAGAACGATCACCAGCCTGAGCCTTATTTC
CAGGTAAGTAGCTGAATTAGAGTTTTGTCTTAAAATTTTTCCTTAATGACTAAAATTTAAGATTACCCACC
AGCTGCTTTTAATTTCTCCTTACCATTAGAACACTCAGTAATCATATGAATTGTGCATTTGTTTGTTTTGC
TTAACTCTTTCTGTTTGTTTATGTTTGGGGTTTTATTGTTGTTGTTTCACTTTTCTCCCATCTCTTCCTGA
CTTGGTCAAATCCAAAGGAATGTTCCAAATTGTGGGGAGCAAGGCATCTGAAATGGCTAAAACTCCTGTGG
CTGCAAAAATAAACTCAACAAGTTTCCAACTAACCACCCGAATGCAACCAGACAAAAGCACGAAAGCAAAG
GAAAAAACCCAATAAATAGAGACGTGGCGAACAACCACGCACACAAAATCAAGCAGCACAAAAAAGGGTGG
GCCGCCGCGAAACTATACAACTGTTGGGCCCGAGAAGAAACGACAGCCTCACACCGGCAGTGGTTCCAAAG
CGGGGCTCAACGTGTTACTGCCCACCCGACACCAGCAACAAGCACGACAGCTCGCACCACACCAGGAGAGC
AGAGACAGCGGCAAGGACAACACGCGAGCGGCCAAGGCGCCGACCAGCGAAGAAACAAACAACCCCAGAGA
GACACACAGAAGACGCAGAGACAAGAAGCAAAATCGCGACCCGCGCAGAGACGCGACACGCGCACGCACGG
ACGAAGACAGGGAACGGAACCGCAGAGCAAGCACGAACACGACACACAGCAAGCAGCCAACGGCGGCCGCA
ACAAGGGAGCCAGCAGCGGGAGAGAAAGGAGAGGGAGGACGCCGACCCCGAGCACGAACCGGAGAACCCCA
CCAGGCAAGACAGAGAGAAGCGAGCGAGACAGAAGGCAGAGAGGGTCGCGACGGAGCGCGGGAAGCGCGCA
GACCAGAGCGCGAGAGAGCTAGAAAGCCCGAGGACAGCGGGCAGACGGCCAGGCGAGCAGAAGCACAGACG
GACGCGCGAGAGAGGAGCAGCGAAAGACGGCCAAGAGGCGTAGCGAGCGGAGGCAGAAGGCGAAGCCAAAG
GAGCAGCAGCACCGAAGCGAAAGACAGAGACACGAAGACTGACGAGCAGACCAGAACGACGAAACGCAAGG
AGCACGAGAGAGGACGAGCAGCAGGCCGAGCCGAGCAGGGAGCGGAACGCAGGAGCAGAGAGGAAGGCAGG
AGCAGCAACCAGCACAAACGGACAGAGGGCGGAGAGGACGACCAGCACGACGGCACAGGGGGAGACGCGAG
GACGGCGCGAAGCGACAGCACGGGCGCACGTAAAGAACAGAAGCGGN
Table3 4033
NACTCTAGTCAGGAGGGTCTGGACTAATGGGAGGTGGTGCTTGGGGACGAGGATGCGTACTGGAA
GGTGGACCGTCCCTTACTTTCTGTTAGGTTAGATCAAGCTGAGTATCTGTGGCTTTCTTGTAAAACTGGTC
TTTGGGGAGCATTGAGTTGTAAATCAAGTAAAATTATTGTGACTGTGTGTATATGCTGGGGTGGTTGGTTT
TCCAAAGAGAGATGCGGTGGACTTTGATGTACGCGTTGATACTCAAGACCAAGGAATGTACCGCTTTTTAA
CATCACAACAACTTTTTAAGCTACTGGACTGCTTATTAGAGTCACATAGATTTGCAAAAGCGTTTAATTCC
AACAACGAACAGAGGACTGCCCTGTGGAAAGCAGGATTCAAAGGCAAATCCAAGCCCAACCTTCTGAAGCA
GGAGACCAGCAGCCTGGCCTGTGGGGCTGCGCATTCTCTTCCGGATGTACATGGATGAGAGCCGCGTAAGT
GCCTGGGAGGAGGTCCAGCAGAGGCTTTTGAATGTCTGCAGTGAAGCACTAAGTTACTTCCTCACTCTAAC
ATCAGAAAGTCATCGAGAAGCCTGGACTAACTTACTGCTTTCGTTTCTAACTAAAGTTCTAAAGATAAGTG
ATAATAGGGTAAGTATGAGGCTTCGAATCCAGCCCCACATTTCTAGCCCAATTCGCATTGGGATGCGGGGT
CCCAGAGCCGCCGTGCAAGAGCTCTCAGAGATGAATCAAGCAGTGCCCAGGCTGCACTGCTGCTTGTGCAA
AAGCCACCAGTGGCCTTTGCTGTATCTTCCTCAGTCCTTGCTTTTCTCCCCCCTTACCCAGCTTTGTTCAC
TAATTAGCAGTTCTCTAGGGGATTCAGTAGGCGAGGGATCAGAATCCCTTGGGATACCTTGACAAGTTCCC
ATTATGACCCCAGGAATCTCCCCCTTTGCCCCATTTTGAAAACTGCTGTCCAACCACCTCATGGCCTTGTA
CTCTGCCTACTACTCAAGACTACATCTGGTTCCTGGGCCTGTGCTCTGGGCTGCAGCTGTTCCTTTGGCAT
ATTTAGTGGTTCCAGGTAACCCAGAGTCCCTAGTGAATGGGCCTCATCTAAGAATTTTAAACCAGTAGAAA
TAAAGATAAAATACACATATATGACTGTAAATATAAGTGCATATTTAAGGTTTTCAAAAATGTACACTCTA
NNNNNN
Table3 4034
NNNNATATGGGATATTGTAATGGGAGAGCAGGAAATTTAAGGTCGGAGGTATTTGTTTAGGATAC
CTCAGTATTCTAGAGCTATGGGATTTATTTTGCTTTGAAGTCCAGAGGTATTTAGCTTTATTCTAAAAGCG
ATGAAGTTCCTCTTAATTAAAGACGCTCCTGGAAAAAAAAAAAGGAAAAATTTAATGCTGTCTTTTAAAAG
GAAACATGCCAAAGGCCAGGATTTGTTTGATCAGATTGTGTACCACTTGGACCTTGTGGAAACAGATTACT
TTGGCCTCCAGTTCCTCGACTCTGCCCAGGTTGCGCACTGGCTGGATCATGCCAAACCCATAAAAAAGCAG
ATGAAAATTGGACCTGCTTATGCTTTACACTTTCGAGTTAAATACTATTCTTCAGAACCAAACAACCTTCG
TGAGGAGTTTACAAGGTACCTGTTTGTTTTACAACTCAGGCATGACATTCTTTCTGGAAAATTGAAATGCC
CTTATGAAACAGCTGTGGAATTAGCTGCTCTCTGTCTACAAGCGGAGCTTGGGGAGTGCGAGCTTCCAGAA

Table 6
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CACACACCAGAGCTTGTGTCTGAGTTTCGGTTCATTCCAAATCAGACAGAAGCAATGGAATTTGATATCTT
CCAGAGATGGAAAGAGTGCAGGGGAAAGAGCCCTGCCCAGGCGGAACTCTCCTATCTGAATAAAGCGAAGT
GGCTGGAAATGTATGGGGTAGACATGCACGTTGTCAGGGGAAGAGATGGCTGTGAATATTCTCTTGGACTG
ACCCCGACAGGCATATTAATCTTTGAAGGAGCTAACAAAATAGGCTTATTCTTTTGGCCTAAAATTACCAA
AATGGATTTTAAAAAGAGCAAATTGACACTCGTGGTGGTCGAGGATGATGATCAGGGACGTGAGCAAGAGC
ACACGTTTGTGTTCCGGTTAGACAGTGCCAGGACCTGCAAACACCTTTGGAAGTGTGCAGTTGAGCACCAC
GCATTCTTCCGACTGCGGACGCCAGGAAACAGCAAATCCAATAGATCCGACTTTATCAGGCTGGGCTCTCG
CTTCAGATTCAGTGGGCGGACAGAATATCAAGCTACACATGGCTCCAGGTTACGAAGAACCAGCACCTTTG
AGAGGAAGCCTAGTAAACGTTATCCATCCCGGAGACATTCAACGTTCAAAGCAAGCAACCCAGTGATAGCA
GCCCAGCTCTGCTCTAAAACAAATCCAGAAGTCCATAATTACCAGCCTCAATATCATCCTAATATCCATCC
CAGCCAGCCCCGGTGGCATCCTCACTCTCCAAATGTCAGGCCATCCTTTCAGGATGACAGGTCGCATTGGA
AAGCATCGGCCAGTGGAGATGACAGCCATTTTGATTATGTCCACGACCAGAACCAGAAGAACTTAGGAGGG
ATGCAAAGTATGATGTATCGAGATAAACTCATGACTGCACTTTGAGAGACTGAAGCATCTCTCTTCCATTC
ACCTTCATAGTTTCATTGCATTCCATGAAAAGTGTCTTGGCCTCAGATGGATGGATGTGTTTGGACGAGTG
TCTTTAAGGAGTAGTCCTGAAAGGTGTTTTTGGTGTCCATGTAAATATTTGAAGATAAAACCACTATAGCT
TGTCATAATTTACTGTTGACTGCATTCTCATTAAAATGAAGGTAAAGGCTCAGGAATCATATTGATGTTCT
GATTTTAAAATTGGAGTCAAAGTCTATGTTTATCATTTTACTATGTTCCTGATGTTCTTTGTTATTTAATT
AATGGGAGCAAATAAAACCAGAAGAGCTTGGGAAGATTGCTCAGCATATATTCCTGTCGTAGAAGTTGAGA
TTGCTAGGGTCCAGTTTCCCTAGTGTGGCCTGGACGAGTCATTTCCCCTTCATTGACCTCATTTTCCCCAT
CTGAAAAGAGAGGGTTGGACTAAGTGATCTCCAAGGTCCTTTCCAACTCTAAAATTCTGCAATTTGTTAAC
ATTTCATTTTGTTTAGGTTGAGGACATACATTCAAACTAATTTTATCACAAGGAAAACTGCAATACCCACT
TCCTTGACAGAGTTACTCCTTTCAGAAGCTAAATAAAGTATATAACTTATTAGATGTTATATAGATACAGG
GGGACTTTGAATTTCACATCTTAAAGCAGTTGAGCTACTTTGAATTTAAGCAGTCGTACTAATCTTAAATT
GCATAGCATTTGTTTTGATCGAATTTGCTGCTCAAGTATGGGAATAATTTTTAATGTCTTAATGATTGGTG
CTGCTAACTTGCGTGATTTCAGAAGACATAATTGTGAATACACACTGTCAGAATTGGGGGATTGGTTTTTA
CCCTAGACTTCACTCTTAAAAAGCAACGTGCAATCAAGATCATTTATGGCTCAAATGAAAGCATATAAGGT
TTTCTTGAAGTTGTGCCAAAGCATTCTGTAGAGTAGGATGAGATGGTTGTTGCCCTAGTCTGTTGGTAGAA
CCAGAAATCAATATGTTGTCTTTTAGGTTAAAGCTTGTACCAAAATATTTATTTCCCCCATTTCAAGCCCT
GAGTCAAACATTTTTTTCTCTTAATAATAGACCTGAAATGTTTTATTAGTATTTCTGTGAAATCAGTTGAT
TCTTGTGCCATTTTTGTATATGTAATTGTAATTTTGCCCATGTTAGGCCCTCTAAAAAATGTTTGACATCC
TTTGAGATATTTTATTACTAAAATCTGATCTTTTTTGGCTACTGCAAAAATCTATTCAGCAAGAAGGTATC
AGCTGCATACCTTGCACAGTGGAGCTGACTACCTATAAACTCTCCCTAAGGCATTTGTTTACAGGTGTATT
CCATTTTAGCAGACGTTCTGATGCTCAGTGTATGTGCTGCATACAAATAAATGTGTTCTGAATCTTTTCAT
CTTATTGATAGCATTTTTACAAATGTGTTTCCAAGGAATAAAGATTATTCTTGCAAAAAAAAAAAAGGGGG
GTGAAAATTCGAGCGGATAGCCCTTTGAAGCCAAGAGAAAAGAGAGAAATGGAAN

Table3 4035

GACGCGTGGGTTTTTTTTTTTTTTATGCGCTAAAGTTACAGGAACACGATCCCTAGTTTTCATT
GATAGTAACGCTGCATCTAATTTGGGTTAACCACATTAATGCTTACCCTGCTGCTCATCTTTCTCAGGGAA
GCAACTTCAGGAACACTCCTTTCACTTCCCTTTTTACCAACAGATGTTAGGACTGTCATTTATCTACACAT
TTGTGTTCTTTAGAAAAAGGCCCACCCCCTGCACAAGCACAGCCTCTTGGGCAGATAGGTGGCTGGGTCAG
TGCTTAAGACAGGATTCTAGTCTTCACTTGCCTGTGCAGCTGGGCGCTGACCTTCCAGGTAGAGCACAGAT
GGCACAACCCCGAGGCAGCCCCAACTTGCATTTCCCTCCCTCCAGGGGCTATTCCTGTCTTAGGCGATTTG
TGGGGTGCAGTGAATGAAACTAAAGAGTTGTTGCACCTGAAAAAGACACCAGTGATTGTTTATTGGGTAGT
CGATTGGAGACTTTGATTTTTTTTTTTTTTTTTTCACATGGGAAAGTCTTAGATTCCAGTAGATGGAATTG
CAATCCTTTGCAGTTTGTTCTCATTACAGATAATCAACATTTCTTTTGTATAATTCAATACATGATCATCA
AGTTAATTGGTAAATTTTTATTGAAATTTAAAACTTGCATTTTTATATATGTGTATGTGTACACATAAAAA
TATTTTTTACCATATGAAAATTGCAGTAGCTAATTTTCTGATTTCCTATTTTATAATGATACATGGGCTGG
AAAAATGTAGAACGTTTTTATATTCTAGAAATTTATTTTGGAAGTACATTTTTATAAGGGTCTAATCTCAC
TTTTGGAAAATGAAAGCACAGGAATGATGGGGTCTGGTTTATGTGAACAAGTGAGTAGAAACCCCTTTGGA
TCATTTTATTACTGCATTTTTATTTGGTGCTTTTTAGGAAGTAGATCTTTGGTACCACTTCACTACGTAGA
GCATTCGAAGTTTTATCCATGTTATATATTGTACTCCTGTGGCATGAAAAATAGCTCCCAAGATATAGAGA
GGAGAGGAGTGAAGAAAAGGCTGTGGTTTTTTTTTTGTTTTGTTTTGTTTGCCACTTTTTTATCTCCTATTC
CTCACCACATAGTGCTTTTTCCTGAAAAGCTGGACTGAGAATTGGCCTTGAATCAGGTCAGAGTGTTAACT
GTCAACATGAAGTATTTTCACTTCGCAGCATCAACTTTCAAGCATAAGTAAAAACACAACTTGCATACTTT
GATGGAGCTTAATTGTGTGAGTAGAATATGTAGCAAAGCTTTTTAGGATTTTCAGAACTAGAATACTTTTT
AAGGAATTAAAAGTGTTTCTGGAAGTCAAAAATGGGAAAGCAAAAAGTAGCTGTCCTCCCTAAAGAGCTTT
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TGTGAGATTGCGGGGGCTACTTGAGAGCCCACCATACATTGGTACTGCCATACCTATTCATCTAACGAGGC
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AGCCTCTGTGTCTTCTTCAAATAGTGATTATTGTTTTAAAGCAGACAACACAATAACAGCAACACTCCAAC
ACACACTCTACTAGATAGGCAGACAAGCTAGAACACACAAAACACAACACTCATCACAAAAGGAAGAGAGG
CAGGCGGAGAGGAGCACACGACACACGAAGCAAGGAAAGAAACGACTGGACAGAAAGCACAGAAGACCAAA
GAGGGACGAAGAGCGAAGCAGGAGGACACGCGCGAAAAGAAAAAAGGGCAGAGAAGGAGAAAAGCCGACGA
CCACCACGGAAAAAAGACGGGCAGAGGCGGACCGGGCAAAGAGCAGGAAGGGAGCCGAACGACAAGACGAA

Table 6
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GAGAGAACCGGGAGCGAGAACAGAGAGAAGAAATCGATGAGACGAGACGGGAGAAAACGAGAAGAGGGACA
CAGAAAGGAACCGGGAGAGAGAGAAGACCAGGAAGACACGAAGGTAAAGAGGGCAAGGACGAACGAGCAGC
GAACAGAACGAGCGGCAACAGAGCAGAGCGAAAGAACGAAGCGAAAGAGAGAGAAGACGAGAGGAGCGAAG
GAAGAAGACGCAGAAGGAGAGAACAAGCGAGAGAGGCCGAGAAGGCAAAGAACGAGAGGAGCAGACGACGA
GAACAGAACAGAAGACGAACGAACAGAGAGATAGCAGAGCAGTAGACGGACAGAGAAGCACAAAACGCAGA
GCAAGAGAGCGGAAACACAAGAGACTAGAGGAGACGAGAGGACGCGAGAACGGACAGCCGAAAGCGGCAGA
GAGGAAACCAGAGCAAAGCAGAGACGACGACGGAGCAGAGAGGGGAACGAGGCCGAAGACAACAGAGAGAA
GGAGGCGGACGCGACGACGGTAGCAGAACGCCACAGAGAAGAGAAAGAGACACGGAGGACGAAGCCGAGAG
GGAGAGACGCAGGACGAGCAGAGANNN

Table3 4036

CGCATTTTATTAAAACTTGAAAGCTATGGCTTGCCGCCATCAATGACGCCTATTGGGTTCCAATA
GCCTCATGTTCAAATCTGACTCGTTAGCAAATCCACCCAACTCAACATCGGTCATCTTGACATTGCAGGAT
ATTCAGCAAGTCTGAAGTTTTTAATCGGGAAGGATTTTCTACCGTTACTGAACAAATAAAGGTTCTTTGTA
GCAATGGCTGGAAATGCAACCCCGCGTACAGGACCAGCTCGGGGGGGGTGTGGCACCGAATGGAAATCCATG
AGCAGCACGTAGCCAACCAGCAGGAGGAAGGCGATGTAGAAGACCACATTCCAGGAGAAGACCACGAAGGG
GNAGGTGAAGAACGCCACATAGTACCAAAGCAGCTTCTTGTGCTTGTCGACAGGTTTCTTCATAAATGATA
CAAAGCCACAGCCCACCAAGGGTATAATAAACAGACACAGGATAATCTTCCAGTTCTTGGTGTCTCGGGAA
ATCTCTCCATACCATTGCTTAGAAAGAAAATTCTGGACCCCAGGCTGGGCGATGAAATGCTGGTCTGTGGC
CTCCACCGCCAGCTCCAGACAGTTGCTTCCACCCCAAGCTTCACAGGAATAGACCAGCAGCTGTTCTGCCA
AGTCTTCATCGCTGCTGTAACACTCAGTGAACAGCTCAACAGCCCGGGTCTCGTACTCATTAGCCAGCTCC
TCGGACTCCCCAGCAGCATTGATGTCGTTCTTCACTTTGGCCAGAGTCTTCAGAAGCTTGCTGGCTCCCAG
GGCTGCCAGAGTGCAGCCCCTGGTCTGCTCCCAAATGACTTTGGAGAGTTCCTTCTTATTCTGAAGCCTCG
TGCCGATTCGGCACGAN

Table3 4037

NNCTGCGGCCCTTCTTGTGCACCTCTGCTTAAAAGAGCTCACAGTGTTGGCTTTCATAGCAGAGC
AGTCTAGGAAATTTTGTACTCTGGTTCCAGGGCTCAGAGTAGCAAGAGTGCTGGGACCTGTCTGAGAAGCA
GTGCTGGGCTGTGGATGCTTGCCTGTGGCACCAGATGCCTTACAGTGGCCAGGAATGCTGCGGGACAGTCT
ACTTTGATTGCTTTCTTTCCTCCATGGCTGAGATCTGAGTGTAGTGTTAACTGGGCTTAAAAATCAAGTCC
GTTGTATCTGCATGGTCACGTAGTTCGGCATCTCATGGCTTTTGCACCTAGAGGTGTGAACCATAATACCT
GAAACACAATTTCATAACCTGGCTCCTTGGGCTTAGCCTATATGGTGGAGGTTAGGTCTGTATATCATCAA
GACTGTGTCTTTGCATGGTTGTCATTCTGTTGGAATTGAACTTTCTTATTTCTGTAGGCCTAGGTTCTGTC
TATTCTTCTCAGACAGCTCATATGCTGCTTCTTCCCTTCAGCCTTCTCTGATACTTGTCCACTCCCCGCCT
GCCTACATCTGAGTACTTGCTTTCCCTCTGGACACCCCTGTGCCCAGTCCAACTCTCCTGTACAGACACCA
GCCCCTTTCCCCTGGTTTATAACTGTTGTGGGAAGTGGCGTGGAGTGTGATGGTCTGCTCATGGGCTGTGG
GGTCTGACAGCCTGACTCTTTGGCTGATTAGCTGAGTGACTTTGGATGGAACTAGAATATGAGTTCCTAGA
GGCTGAGACTGCAGTCTGATTTGGGTGTATAGCCTTGTGAACTTAATCCTGTGCCTGGCACACAGGAAGCA
CATCAGGAAATGCACGTCAAATGAGTGAATAAATAAATGAATGACCATACAAGGACTCCATGGTATATTCT
TGTAGATCATTAGTTAATTATCAACAATTGGCTAATGATTAATGTTTGCCTGAGAGGCTGACTTTTTGTCC
ATTAGTAATGACATCCCAGGAAACACCTGGCAGAGTTCGTCTTTAATTTCAGGAGTATTCTTTCTTTCTTG
GCAAATTTAACTATTAAAGAGAGAAGAAAGACAAGCACTTGATACTTTTTGAATCTGTAAGTTATAAACCT
GTCTTCTGTATTCAATGTTGTATATTAGCCACATTGCAAATGATTCTATTTGGATGGATGTGTGCCTGTCA
CCTTTCACATAAAAATTGATTGAGCCAGTCATAGTGGTATGTGCCTGTGGTCCCAGCTATGTGGTAGGCTG
AGCCAGGAGTCTTGGTTGAGCCCCGGAGTTTGAGACTGTAGGGGACTATGAGTGAGCCTCTGCACTCTAGC
GTGGGTGACAGAGCAAGACNNNNNNNN

Table3 4038

ACGCGGGGGGATTATGTGTCTTGCAGTTGACAACGGCAGTGACCAGTGCCTTTTTACTAGCAAAA
GTGATCCTTTCGAAGCTTTTCTCTCAAGGGGCTTTTGGCTATGTGCTGCCCATCATTTCATTCATCCTTGC
CTGGATTGAGACGTGGTTCCTGGATTTCAAAGTGTTACCTCAAGAAGCAGAAGAAGAAAACAGACTCCTGA
TAGTTCAGGATGCTTCAGAGAGGGCAGCACTTATACCTGGTGGTCTTTCTGATGGTCAGTTTTATTCCCCT
CCTGAATCCGAAGCAGGTAAAAAACTTGATTATTATTTGTGCTTGTATCTCTCATTCAAAGGCTCTGCTCT
TCCTTCCTTTCCCTACCCCCTCTGTTTCTCAATATACGTAGCTAACATCTAACAN

Table3 4042

NAGGATAGATAACTTTCACAGTACTTCTACAGTTGGAGAGGGAGTACTGACTGCTGATCTGGAGG
CTGGGACAAAGACTTCTGGTGCACAAGCAAAAAGAAGCCTTATATACCATTTACCTGTATCCAAATTTCCA
GCAGCCAACGATGGCGAAGAGCCTCATAGCAGATGTGGCAGTGGCCGCCACTTCCCATGACAAAGGGAGGT
AGGCATGATTCATCTCTAGTGCATGGGGACGGTTGCCTTTTGCCCCAAATCAACTCAAGACCCCTTTCCAC
CATATGTCTGTATGTAACTCTAAATGCATCTCTAAGACTTAAGAATAAAAAGCCACTGCTACCTGGCAAGT
GGATGAGGCAAAAGAGAAGACATACCCCAAAGAACTATAGCACTCTGCTCCAAATTACAGAACTTTCTAAA
CTATGTTAGT

Table3 4043

NNNNNAGTAAAAAACATCCATGATCTCCAAAAACAGTCATTATTAAAATCTTACAAATCATATTT
CCAAAAAGGTTTCACAATTTTTAAAAAGGAGTCTCTCATCTCCCTCACATCATGCAACCTGGCTTGTCCTT
TGGCCTGGCTACATCATGGCAGGGATCTCTGAAGACACTGTGTCCAGGGGCTGCCAGTGACAGTCCATCAG
AGCGTCATACAGCTCCTCACTCTGTTCCATGAACTCCTTGTTGGCCTCAGTCACATCCAGCTGTGGCATGG

Table 6
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GGTCTTCCAATGCATCATCTCCAACTTCTTCATATGTCTGCATGGTGCTCTGGGTATAGCCATACTGGGGG
TAACTGTAGCTGTAGCTGCCTGTGTTCTGGTCATAGCCCCACTGAGCATAGTAGTTCTGGTACTGCTGATA
ATACTGGTTGTAGCTATAACTGTACATCTGACTATATTCCACTGGCTTTACACGGCTCGCTTTAGGGATTG
CCACGCTCAGCCGCACAGGCTTAGACCCCAGTCCCACTGCTCCCTGGCACTCCGTCAGGGCTCGCTTCTGT
TCCAGTTCATCTGTGAATTTCACAAAACCATAACCCTTAGACACGCCTGTCTGGTCCAAAACCACCTTGCC
TCCCCGACAGGAGGGGTAGACTTTGACGAAGAATTCATACAGCATGCCATCATCCACGTCCGGGGTCAGGT
CCCCCACAAAGAGGGAATACTCAGGGCTGTTATCTGGTTGTTTCCCGTAAGTGGCATAGTTCAGTTTAAAA
CGTTTCGCAGGTGTGGCTCCTGGAAGGGGTTTCCCATTAATTTTATGCAAACACTTCTCAGCTGTGGCCAA
ATCTGCAAATTCTACAAAGCAGTAGCCAGCTGGGATCCCAGTGAGGCGGTTTCGGATAATTTTGACGCTCA
TTACGGTCTCCCCCATGGTGGCAAAGGCTCTGGAGATGAAGTTCTCATCCATGTAGGGTTCCAGGTCGCCC
ATCCACAGGCTGGCCGCCATACCCGCGCACCGGGGTGGGGCTTTGCGGGCGGGGCTCTGCGGGCGGGGCTC
GAAGGCCCGCGCGGGCGCCAATCCTGGCTGCGGAGACCGCTACAGAGCATGCGCCTCCGACGGCTTCTGCG
CAGGCTCCCGAGCGCAGCGGCCCGGGTCGGGCAGTGTGTTCAGCTCCGGGTTTTTCCTGCAACCCACTGGG
CGCTAGGCTTCCGGATCGCGGTGGGCGGAGTTCAGGCTGGAATGGGGCGGGCCAGATACCACCTCAGCCTC
CCTAAGTGCTGGGATTACAGGTGTGTGGGCGGCAAGCCACCCAGCTGCTGAGGCGAGAGACTGAAGGCACA
AGCTGTTCCAGTATAATAAAGAAAATCCTTAAAAT
Table3 4045
TGTGGGACTCTAAgtGGATTTCTTAGCAGAAACCTTGCAGgTcAGAAAGAAGTGGGATGATATAG
TCAAACTGCTGGAAGAAAAACTGCCAGCAAAGTACTGTATGTGGCAAAACTTTTCTTTAAAAGTAAAAGAG
AAATAAGATTCTCAAAATCTGAGAGAGTTCATCACCACTATATCTGACTTAAACGCCAATGGGAGTCTGTT
AAATGGAAACAAAAGTATGTTCAACATGAAAGTATAAAATTAAATGATAAAGCTATGGACAAATAGAGaCC
TGCATATTATTGTAATGGTGAATCCTGCAAAAATGTCTCTCTATCCATCTCTCGAAGACTTGAAGGTAGAC
AAAGTAATTCAGGCTCAAACTGCTTTTTCTGCAAACCCTGCCAATCCAGCAATTTTGTCAGAAGCTTCTGC
TCCTATCCCTCACGATGGAAATCTCTATCCCAGACTGTATCCAGAGCTCTCTCAATACATGGGGCTGAGTT
TAAATGAAGAAGAAATACGTGCAAATGTGGCCGTGGTTTCTGGTGCACCACTTCAGGGGCAGTTGGTAGCA
AGACCTTCCAGTATAAACTATATGGTGGCTCCTGTAACTGGTAATGATGTTGGAATTCGTAGAGCAGAAAT
TAAGCAAGGGATTCGTGAAGTCATTTTGTGTAAGGATCAAGATGGAAAAATTGGACTCAGGCTTAAATCAA
TAGATAATGGTATATTTGTTCAGCTAGTCCAGGCTAATTCTCCAGCCTCATTGGTTGGTCTGAGATTTGGG
GACCAAGTACTTCAGATCAATGGTGAAAACTGTGCAGGATGGAGCTCTGATAAAGCGCACAAGGTGCTCAA
ACAGGCTTTTGGAGAGAAGATTACCATGACCATTCGTGACAGGCCCTTTGAACGGACGATTACCATGCATA
AGGATAGCACTGGACATGTTGGTTTTATCTTTAAAAATGGAAAAATAACATCCATAGTGAAAGATAGCTCT
GCAGCCAGAAATGGTCTTCTCACGGAACATAACATCTGTGAAATCAATGGACAGAATGTCATTGGATTGAA
GGACTCTCAAATTGCAGACATACTGTCAACATCTGGGACTGTAGTTACTATTACAATCATGCCTGCTTTTA
TCTTTGAACATATTATTAAGCGGATGGCACCAAGCATTATGAAAAGCCTAATGGACCACACCATTCCTGAG
GTTTAAAATTCACGGCACCATGGAAATGTAGCTGAACGTCTCCAGTTTCCTTCTTTGGCAACTTCTGTATT
ATGCACGTGAAGCCTTCCCGGAGCCAGCGAGCATATGCTGCATGAGGACCTTTCTATCTTACATTATGGCT
GGGAATCTTACTCTTTCATCTGATACCTTGTTCAGATTTCAAAATAGTTGTAGCCTTATCCTGGTTTTACA
GATGTGAAACTTTCAAGAGATTTACTGACTTTCCTAGAATAGTTTCTCTACTGGAAACCTGATGCTTTTAT
AAGCCATTGTGATTAGGATGACTGTTACAGGCTTAGCTTTGTGTGAAAACCAGTCACCTTTCTCCTAGGTA
ATGAGTAGTGCTGTTCATATTACTTTAGTTCTATAGCATGTTAAAGATGCAAGTATGCTATAGAACTAAAG
TAATATGAACAGCACTACTCATTACCTAGGAGAAAGGTGACTGGTTTTCACACAAAGCTAAGCCTGTAACA
GTCATCCTAATCACAATGGCTTATAAAAGCATCAGGTTTCCAGTAGAGAAACTATTCTAGGAAAGTCAGTA
AATCTCTTGAAAGTTTCACATCTGTAAAACCAGGATAAGGCTACAACTATTTTGAAATCTGAACAAGGTAT
CAGATGAAAGAGTAAGATTCCCAGCCAAAATATAAGATAGAAAGGTCCTCATGCAGCATATGCTCGCTGGC
TCCGGGAAGGCTTCACGTGCATAATACAGAAGTTGCCAAAGAAGGAAACTGGAGACGTTCAGCTACATTTC
CATGGTGCCGTGAATTTTAAACCTCAGGAATGGTGTGGTCCATTAGGCTTTTCATAATGCTTGGTGCCATC
CGCTTAAGATTATGTTCAAAGATAAAAGCAGGCATGATTGTAAAAGTTATTACAGTCCCAGATGTTGACAG
TATGTCTGCAATTTGAGAGTCCTTCAATCCAATGACATTCTGTCCATTGATTTCACAGATGTTATGTTCCG
TGAGAAGACCATTTCTGGCTGCAGAGCTATCTTTCACTATGGATGTTATTTTTCCATTTTTAAAGATAAAA
CCAACATGTCCAGTGCTATCCTTATGCATGGTAATCGTCCGTTCAAAGGGCCTGTCACGAATGGTCATGGT
AATCTTCTCTCCAAAAGCCTGTTTGAGCACCTTGTGCGCTTTATCAGAGCTCCATCCTGCACAGTTTTCAC
CATTGATCTGAAGTACTTGGTCCCCAAATCTCAGACCAACCAATGAGGCTGGAGAATTAGCCTGGACTAGC
TGAACAAATATACCATTATCTATTGATTTAAGCCTGAGTCCAATTTTTCCATCTTGATCCTTACACAAAAT
GACTTCACGAATCCCTTGCTTAATTTCTGCTCTACGAATTCCAACATCATTACCAGTTACAGGAGCCACCA
TATAGTTTATACTGGAAGGTCTTGCTACCAACTGCCCCTGAAGTGGTGCACCAGAAACCACGGCCACATTT
GCACGTATTTCTTCTTCATTTAAACTCAGCCCCATGTatTGAGAGAGCTCtGGATACAGTCTGGGATAGAG
ATTTCCATCGTGAGGGATAGGAGCAGAAGCTTCTGACAAAATTGCTGGATTGGCAGGGTTTGCAGAAAAAG
CAGTTTGAGCTTTGTCTACCTTCAAGTCTTCGAGAGATGGATAGAGAGACATTTTTGCAGGATTCTtctag
cCCACAAGGAACCggtcgcg
Table3 4046
TTTTTTTTTTTTTTAAAACGAGGATTTGGCCATTCAAAAACAACAACAACAACAACAAAGCAAA
ATCCCACCACATACAAGAAGAAAAAGAGAGGCATGCTTTACAAAACAGCTATTTCAAAGTCATGATTTTTA
AAAAAACTATACAGAATGTGGAACGAAGGGGAAAAAAAAGTCTCATGTGGGTTGCGTCGGCACTGCAGCTG
CTCCTCATTAAAGCTCCTCTTTACTCCCTCTGGGCTAGTTTCCAGCAGAAAATTCTTTAAACAGAACTCTG

Table 6
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CTTTCAACCCACTTTCTTCTTGCACTGGGCCTCTTGGCCCCCCAATCCGCAGTGGCAGCCTGCCCTAGCTG
AGCTCTAGAGGGGGGAGCTGTCGTTAAGGTAAATGAGGTAAGGGCAGGGGAAAAAACTAACAAAACCCAGA
AACCAAATTAAGCATCGGTCAGCCCGCGTTAATTAATTCTAGAAGACTTCCGANNNNNNNNNNNN
Table3 4047
NNCAGATCCACTAACTCCCCTCCCAAGCCTGCAGGTAAAACCATCCCAGATCACCTTTATTCCTG
CTTTAGGGTTTAAAGAACCCCAGTGAGGCAAACAAATTAAAGACTGCAGATTTCTTAGGATGGTTAGACTT
GACACAGAAGAGAAAGAGGTACAACTGTTCATAGAGTTCAGTTTGACAATTAACATGTATATTAGTATGGT
TGCCTGTGTTTGTGTTATGTTTCACTGTGTTTCATCTTCCTGTGCCTGGGATCCCCCATGCCCTCCTTTCC
TATCTCTCTCAAAACCAGCTGTTTTTCCCCATCTGCTGCATTTTGGTTATAGATATTTATTTGTAGGTTTG
CTTTAAAACAAAACTCCTCTAAATCCTACTTGATAACCATCCATGCTCTTTACTCTCTCCTGTCCTGGGAG
CTCTCTTCCTAACTCCTGCCCTTCATTCTCGACGCCTGCCTGGCCTCCTTTTGGTTCCTTCTCTACAGCAT
TGCTTCCACCCACCAGCTGTAGTGCCCCTGTCCCTTAAGAGTATGGCAGTGCTCCTAACTGGGTTATATAC
CTCTGATTGTCCATTTTTAAATCTGCTACCAAGAGCN
Table3 4048
NNATTTGCCAGATTCCCCTTGTTTTGTCTTTCTAGCCAATAGAACAACACTAAAATATATGGAGA
ATTTAACTAACTTTTGAAAAAGAGATAACACAAGTTAGAACCAGAAGAAGTCATCTGTGCCATAAGTTTGT
GTCTTCTAAGAGCCATCAGCCCAGGCAAAATGAAGTGGGAAACTTGAAACTTAACATGTATAAATGATTTG
TGTTGTTTTGTTTTAATGCTAAGTACTCAGCAAAAAGCTGAGTTATTAGAAAATGGACACTAGCCTGTGCT
TGTGGGCATAAATTCTCCATCTATGAGAAGGCATGAATTGAGGCACTATATTGATTACATTATGTTGTTTA
TTCTCATATAACTCTCTATTGTAGAAACGATTTCTAGCCCCATCTTCAAGATGGGAAATGGAATCCTAGAG
AGACTTCATTTTTCTCCTATATTTGTATTTAGCAATTGCTATTGCTGCCATAAGAAAATAACACAGGGTGG
CTTGAACAACAGAAATTTATTTTCTCACAGTTCTGGAGGCTGGAAGTCCAAGATCAAGGTGCCAAGCAAGG
CTGGTTTCTCCTGAGGCCTCTATCCTTGGCTTGCAAATGGCC
Table3 4049
NNNNAATGAAGTAGGGCATCCTAAACCTGAGTGCTCTGCCTCCCCAGGTGATTTGATACAGTCAG
GTGTGGGAACTGCTGGCCTAGATGATAACCCCCTTTCATAGAACAGAGAGAAAAGGCAGAGAAAATGCTTA
CCTGTTGGAAAATCATTGTCCTGAGCCTCATTTGTACCATCTATGGAAAAAGCAATGGAAAATGAAGTGTC
AATCAAATAATGCACCCTTGGCTGACACAAATTAATTGAAGCTAAACCTAGAACCCTTCTTTCTCACCAAG
ATGGCAACTTCTCCCAATTGTTCTAAATATAAAATCCCGGTTATCTGTCACTTTACCCACTCCCCCTCTCC
CCAGTCCGATCTGTTGCCAAATCCTGTAGTTTCTACCTCCATAACGGAACTCGCAATCATCTCCTTCCATT
TCTCTCCATTCCAAATCTAGAAGAAAAAAGAAACCAAATACATTTAGTTTCATCAGCAAGTTAGAACCTTT
CTGTCAAAAATTTCAAGTGCTCATGCCTGTAACCCCAGCACTTTAGGAGGCTGAACN
Table3 4050
NNACTGAATNCCAATCGCACGGGACGTGCACCATCGTGTTGGTTACCGCGGGGGGTGACGCTGTG
GCAGAGAAGGCCCGGAGGGGCTCTGCGTTCTGTAGTGGCGCTGCTTGGGCCCGTGGCGGATTGTAAGCTGC
TGGTTTTGCGGCTGGGAAGAGCGGCGAGAGGGTTCGGCATTTTTCGTCGGGATCCCCGCAAGGATGAGTGC
TGCCAGAGAGTCTCACCCGCATGGGGTGAAGCGTTCAGCCTCCCCAGACGACGATCTGGGATCTAGCAATT
GGGAGGCAGCAGACTTGGGTAATGAAGAGAGAAAACAAAAGTTCTTGAGACTTATGGGTGCAGGAAAGAAA
GAACATACTGGTCGTCTTGTTATAGGAGATCACAAATCAACATCTCACTTCCGAACCGGGGAAGAAGACAA
GAAAATTAATGAAGAACTGGAGTCTCAATATCAGCAAAGTATGGACAGTAAATTATCAGGAAGATATCGGC
GACATTGTGGACTTGGCTTCAGTGAGGTAGAAGACCATGATGGAGAAGGTGATGTGGCTGGAGATGATGAT
GATGACGATGATGATTCACCTGATCCTGAAAGTCCAGATGATTCTGAAAGCGATTCAGAGTCAGAGAAAGA
AGAATCTGCTGAAGAACTCCAAGCTGCTGAGCACCCTGATGAAGTGGAGGATCCCAAAAACAAAAAAGATG
CAAAAAGCAATTATAAAATGATGTTTGTTAAATCCAGTGGTTCATAACTCCCAAACGCTTAGTCTTTGTAT
TAAAAGTAAGCCTTATTGTTACAATGCACAGTGGAGGACTGCTTATAGAGCACAGACCTTTGTATTATAAT
TTTTAAAAAGGCCCTTTTAAATAATTACAAAGAGTGTTTGCTTTCAAATGCCATGGGTTACACTTTTATGG
GCATGACTATAACCATTTTTGTAAAGAGTAAGAGTTGTATAAAATAAGAAATAAATACAGTACTCAACTTC
CTTTCATATTAGCATCATCAACCCTCTAATTCACCTTATGGGGGAAATGCTTCTTTTTGTTTGTGATAGCT
ATTTTATCATTTCCTTCATATTTTTCTCTTATAAAAATGTATTTGATACTGTGATATGTTCACGAAAAGTA
TTCTTTAATTATTCTTTGTTATAGTAGAGCTGTTCATTATGGATATTTCTGCTGCCAGTCACAATCTAAAT
TAATTTTGGCAAAAGATTGGGTACTTAGTTTCCTGTTACTGAGTTAGCTCTACTCTTTTGGACCAAAGCAA
CATGAGAGCAAGTACTTTTCACACTTGTTAAGATGGAGTTATAACTGTCATACATTTGGAATATTATGATC
CCAAGTAGTCTTTTTATAATTTGGATTGTATCGTATGTTAGATTTTTGATAAAATTTGGCCAATTTTTACA
GAAGAAATTCTCTGATCATTTAGTTCTATCTATTTAGAAATATGTAAAACTGGATTTTTTTTTAAGTAATA
TGTGACCAAAGTTAATTTTGTCCCAAAGGTCTAAATAAAGAGCAGTTTCCCATAAAAAAAAAAAAAAAAAA
AAAAAAATTTGTGGGGCGGCGCCGGAAATTAAAACATCTTGGGGGGGCCGAGAAAGAAAGGAAGGTTAAAA
GACGCAGAGGGGGGTTCACAAAACGCNNNNNNNNNNN
Table3 4051
TTCAGGGGGGAAAGGAGGAGCTGGAGACAGATTGTAGGACCGAGCGCGGGCAGGCGGGAGGCAAC
GGAGCTACCAGCCGCTCCTCTCTGCTATATGAAATATGGGAGACGACAGACCGTTTGTGTGCAATGCCCCG
GGCTGTGGACAGAGATTTACAAACGAGGACCACCTGGCAGTTCATAAACACAAGCATGAGATGACATTGAA
ATTTGGCCCAGCCCGAACTGACTCAGTCATCATTGCAGATCAAACGCCTACTCCAACTAGATTCCTGAAGA
ACTGTGAGGAGGTGGGACTCTTCAATGAACTAGCTAGCTCCTTTGAACATGAATTCAAGAAAGCTGCAGAT
GAGGATGAGAAAAAGGCTGCTGCTGGGCCCCTTGACATGTCTCTGCCTTCCACACCAGACATCAAAATCAA

Table 6
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AGAAGAAGAGCCAGTGGAGGTAGACTCATCCCCACCTGATAGCCCTGCCTCTAGTCCCTGTTCCCCACCAC
TGAAGGAGAAGGAGGTTACCCCAAAGCCTGTTCTGATCTCTACCCCCACACCCACCATTGTACGTCCTGGC
TCCCTGCCTCTCCACTTGGGCTATGATCCACTTCATCCAACCCTTCCCTCCCCAACCTCTGTCATCACACA
GGCTCCACCATCCAACAGGCAAATGGGGTCTCCCACTGGCTCCCTCCCTCTTGTCATGCATCTTGCTAATG
GACAGACCATGCCTGTGTTGCCAGGGCCTCCAGTACAGATGCCGTCTGTTATATCGCTGGCCAGACCTGTG
TCCATGGTGCCCAACATTCCTGGTATCCCTGGCCCACCAGTTAACAGTAGTGGCTCCATTTCTCCCTCTGG
CCACCCTATACCATCAGAAGCCAAGATGAGACTGAAAGCCACCCTAACTCACCAAGTCTCCTCAATCAATG
GTGGTTGTGGAATGGTGGTGGGTACTGCCAGCACCATGGTGACAGCCCGCCCAGAGCAGAGCCAGATTCTC
ATCCAGCACCCTGATGCCCCATCCCCTGCCCAGCCACAGGTCTCACCAGCTCAGCCCACCCCTAGTACTGG
GGGGCGACGGCGGCGCACAGTAGATGAAGATCCAGATGAGCGACGGCAGCGCTTTCTGGAGCGCAACCGGG
CTGCAGCCTCCCGCTGCCGCCAAAAGCGAAAGCTGTGGGTGTCCTCCCTAGAGAAGAAGGCCGAAGAACTC
ACTTCTCAGAACATTCAGCTGAGTAATGAAGTCACATTACTACGCAATGAGGTGGCCCAGTTGAAACAGCT
ACTGTTAGCTCATAAAGACTGCCCAGTCACTGCACTACAGAAAAAGACTCAAGGCTATTTAGAAAGCCCCA
AGGAAAGCTCAGAGCCAACGGGTTCTCCAGCCCCTGTGATTCAGCACAGCTCAGCAACAGCCCCTAGCAAT
GGCCTCAGTGTTCGCTCTGCAGCTGAAGCTGTGGCCACCTCGGTCCTCACTCAGATGGCCAGCCAAAGGAC
AGAACTGAGCATGCCGATACAATCGCATGTAATCATGACCCCACAGTCCCAGTCTGCGGGCAGATGATGCC
TCCTCTGGTGGAGAGGTCCTCAGCCAGAGCTCGCCCGCCCAAGAGCCAAGAGAGATGTCATCTTATCCCCT
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TTTTTAGCCATGTGGTCATGTACGTTTGACACCTGTGCTGGGGGCCTCCCAGCCCCGGAGCCTCATAGATC
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GCCCCATGCACGTGTATCTGTCTCTTTTAACACTAACCCTTGGCACTTCTAGGTTTGGGGTTTCTCAGTTC
CCTCTCTTCCCACTAAGCCGTGGCTGTTACCTTTTTGTTCCTTACCAGCATGCCACTTCCTGCCAGATAGA
GGGAGGCTAGATTTGATGACATATTACCCGCTGACCCAGCCCCAGCCACCCCATGGACTCAGGACTCAGGT
CTCCCATAGCTGCTTATTTACCCGTTTCCTTTTTCCTCTTCCTTAATTCTAGTTAAAACATTCACTTACGG
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CTCTACCTGCCACCAAAAAGAAAGAAACCCTCAAGAGTTCTAATTCTTTTTCATCTATTTGCAGAGCTATT
TGGGTACCTCATTTTGTCCCTTGACTTTAGTGTAGTGGTGGGGTCTTTCCCACCACCCCACTAAGCCTTGG
CAACCTCATTTTGTGGCCTTATTATTAAAGATTGCTTGGTAGTGAAAAGGGAAGGGCCCAGAATCTGACTG
GCTGATTCTGTCTCCTCCCCTCCCTCCTTCTTTAGTTTAACCATCAGGGCAGACAGGAACAAAGTATTTCA
AAGCTTGTTCCATCAAGTTAGGGATTAATCGATTCCTTTATGTTTTATAAGAGTTTACCGGCCAAAGCATA
TTGTCATCTTTGGTCATTTTTCTGCTCCTGCTTCTCTCTCTTCATTGGGGTATCAACATTACCGCCCCTGT
CTCTCTTCATTCCCCTATCAACATTACCGCCCCTGTCTCTTCTGTAACTACTTCAGACTCAGCCCTCCTGG
AGGCTGTCATGTAGGGGACTCTCGAGGTTCCTTTGTTCTACCCCATCTCTCCCCCCCGAANNN

Table3 4052

GGTGGCGGCCGAGGTACCCTTCCACTCCTACTCCACTTTGAGATATCCCACCTTTTTAGGTTAAA
CCAATATGTAGCCTCATGTATTGATTTATGACTTTGCCTGTAACCTCTGCCACGCTGCCTTTAAAAACCCT
TACCTGTGTAAGCCATCTGGGAGTTCAAGGTCTTAACCATGACCTCCCTGATCCTCCTTGCTTGGTGCCCT
GCAACAAATGCCCCACTTTCTCTCCCTGCAATCCCGATGTCAGTGTGTGGCTTTGCTGCTCTGGGTGGGCA
GACCCAAGTTCAGCAAGTAACCATTCTAAGGAGGGTGTTTACACCTTCTTCATGATCCCTTGTCACTGTTT
CATCCTAAATCCTGATTCCAACCCAATTATCTGTTCCTTCTCATCATCTCCCCTCTCTTTATTTCACT

Table3 4053

tCCGGCCTCTACTGTTTATTAGTTTTGTGAACTTGCCAAGCTCTTTCACTGTTTATGCCTCAGTT
TCCTCATCAGGAAAATGGAGAGAAATATAGTTCCCTCTTCATAGATTTTATGAGAATTAAGTGAGATATGC
ATTTAGTGTACAGAATAATGCCTGTCACATAGTAAGTATGTAATAAGCATTTATTATTACTTATCAGGGTA
TGATTTATGAATTGTGGAACCTGGGATTATGGGAGAGTCTGGCTTCAATCAAGGGCTGAAATTCCATTTCC
ACTGACATCTCTTCCTTCCCCATCCCCCGATTCTGTCCTGCAACAGGGTAACAAGAAGGGGCCCTTAGGCC
GTTGGGACTTTGATACCCAGGAAGAATACAGCGAGTATATGAACAACAAAGAAGCTTTGCCCAAGGCTGCA
TTCCAGTATGGTATCAAAATGTCTGAAGGGCGGAAAACCAGGCGCTTCAAGGAAACCAATGACAAAGCAGA
GCTTGATCGCCAGTGGAAGAAGATTAGTGCAATCATTGAGAAGAGGAAGAAGATGGAAGCTGATGGGGTTG
AAGTCAAAAGACCAAAATACTAATCACTAGTTACAACCAGAGATGCTCCACAAGGATATGCTCCCCACTGT
TTTCTTTCTACAATTTCCAAAGGTTGCAAGATGTTTTTTTGTGGATGAATATAAAATTTTATTGTGTAATT
ACTTGGTTCCATTAAAATTGGTTAACTTGCAG

Table3 4054

NATAGGGGAGTCGACCCACGCGTCCGCGAGGCAGGAAGTTATATGCTTTTTCTGGAGTCCTGTAG
AGAAAGTGCTCTCTGCCGCATTGATAGCAGCGAGAGCTGGAGGTGTTGGGTCGGGAGACCAGCCATTCGAT
CCCGCCGCAGGTAGGAGCTGGTTTCCATCCTGGCACCACGGCACACACCTCCAGCCTCGAGCCCGGCGCTG
CTGCCCGGGGGTCTCCTTCAGGCTCTTTGACGCCGTTCCAGGGGGCACCTATCCAGGCATCCTCTGGGCCT
CTAGCCAGAGGACTGGCTCCCGGCTTCAGCACTCCGGGCTGCAGTAAGAAGTGCCCTTATCGCTCTGAGCC
CTGCCACCATCCCGTGAACCACCGAAACCCTGGTCCAGCGCGACAGCCTTGGACCTGGGACTGGACGGATC
CAAAACGCTCAGCCTCGGCCCCCCACAGACGGGGCTCTGCATCGTCTCTGATATGTCACCCACCATCTCCC
ACAAGGACAGCAGCCGGCAACGGCGGCCAGGGAATTTCAGTCACTCTCTGGATATGAAGAGCGGTCCCCTG
CCGCCAGGCGGTTGGGATGACAGTCATTTGGACTCAGCGGGCCGGGAAGGGGACAGAGAAGCTCTTCTGGG
GGATACCGGCACTGGCGACTTCTTAAAAGCCCCACAGAGCTTCCGGGCCGAACTAAGCAGCATTTTGCTAC
TACTCTTTCTTTACGTGCTTCAGGGTATTCCCCTGGGCTTGGCGGGAAGCATCCCACTCATTTTGCAAAGC

Table 6
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AAAAATGTTAGCTATACAGACCAAGCTTTCTTCAGTTTTGTCTTTTGGCCCTTCAGTCTCAAATTACTCTG
GGCCCCGTTGGTTGATGCGGTCTACGTTAAGAACTTCGGTCGTCGCAAATCTTGGCTTGTCCCGACACAGT
ATATACTAGGACTCTTCATGATCTATTTATCCACTCAGGTGGACCGTTTGCTTGGGAATACCGATGACAGA
ACACCCGACGTGATTGCTCTCACTGTGGCGTTCTTTTTGTTTGAATTCTTGGCCGCCACTCAGGACATTGC
CGTCGATGGTTGGGCGTTAACTATGTTATCCAGGGAAAATGTGGGTTATGCTTCTACTTGCAATTCGGTGG
GCCAAACAGCGGGTTACTTTTTGGGCAATGTTTTGTTTTTGGCCCTTGAATCTGCCGACTTTTGTAACAAA
TATTTGCGGTTTCAGCCTCAACCCAGAGGAATCGTTACTCTTTCAGATTTCCTTTTTTTCTGGGGAACTGT
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CACAAGGGATCACAGATACTTACAAGCTGCTTTTTGCAATTATAAAAATGCCAGCAGTTCTGACATTTTGC
CTTCTGATTCTAACTGCAAAGATTGGTTTTTCAGCAGCAGATGCTGTAACAGGACTGAAATTGGTAGAAGA
GGGAGTACCCAAAGAACATTTAGCCTTATTGGCAGTTCCAATGGTTCCTTTGCAGATAATACTGCCTCTGA
TTATCAGCAAATACACTGCAGGTCCCCAGCCATTAAACACATTTTACAAAGCCATGCCCTACAGATTATTG
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AGGAGCATCAAACCAGAATTGTCGAACACCTGATGCTGTTGAGCTTTGCAAAAAACTGGGTGGCTCATGTG
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CTTGGTCCAAAATTTAAAAAGTTACAGGATGAAGGATCATCTTCGTGGAAATGCAAAAGGAACAATTAATA
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GAAATTCTAAAACAACTTTTCTGGCCTTGTTATTTGATGTATATCTTTTAAATTTACTGACCAAAGCATGT
TTTAAGCTGCAATGCAGTAGTCACGGGTGGTAACCATGTAGTCAGGTATTGTTATTAGTACCTATCACTGC
TGAGCTGTATTTAAAATTTTGGTACAATATATAAAATGGAGAAGAGCTTGATATTCAGGTACTAACCACAA
CTAGTCTGACATTGTTGGCAGTTAAAATCTTATTTTGAATTGTAAATTAGTTAAATTTTATGTGGAATTTG
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TCTGTGTTAAAAAGACTATTTTAAATGTATTTCCTGCTTTTGTAAGCATTAAAGATTTATAAGAAAATTAT
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CCTGGCACACAGACAGCCAATGGAGGGGATCAAATTCAGTGTTGTATGTATGTTTATGGCAACATTTTGAA
AATAAAAATTAAATGTTTTTCTTCAAGTAGTTTTTTTTTTAATTGCTGAGAGAAAAAAACAGTAAAGCTTTC
TGATTAAGTAAAATTTAAATGGGCAGTACCATAATTTAAAAAACTAATACTTTAAAGAGAGAGACAAAGAT
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AGGTTGGGTCGGGTAGTTAACCGGCTGAAAATTTAAACCACAGTTGGAAAGAAGACTTAGGGCACATCCGG
GGAAGTCAACCGTTGGAAAACA
Table3 4056
aCAGTGTTTTAGGTGAAAATTCAAAAGTTTTTTTCCAAGTCCAAGTAATTTATGTTTgtAgTGGA
GTAATGATTCCTATACTAAGCAGTTttgTTTTCTTTAATTtgGTGAAGTTAGCATTgggtgttgccctcag
TtagGGTTagcaaTTATTCTTTACCCcACGTACGCGGGGGCACCTTCCTTCTGTCAATAGATGAAACAAAT
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TTCCATCTTTTCCAGCAAATGAAGATAAGGATCCCGCTTTTACTGCTTTGTTAACCACCCAAACACAAGTG
CAAAGGGAGATTGTGAATAAGCACAATGAACTGAGGAGAGCAGTATCTCCCCCTGCCAGAAACATGCTGAA
GATGGAATGGAACAAAGAGGCTGCAGCAAATGCCCAAAAGTGGGCAAACCAGTGCAATTACAGACACAGTA
ACCCAAAGGATCGAATGACAAGTCTAAAATGTGGTGAGAATCTCTACATGTCAAGTGCCTCCAGCTCATGG
TCACAAGCAATCCAAAGCTGGTTTGATGAGTACAATGATTTTGACTTTGGTGTAGGGCCAAAGACtcccaa
CGCAGTGGTTGGACATTatacACAGGttgttTGGTACTCTTCATACCTCGTTGGATGTGGAAATGCCTACT
GTCCCAATCAAAAAGTTCTAAAATACTACTATGTTTGCCAATATTGTCCTGCTGGTAATTGGGCTAATAGA
CTATATGTCCCTTATGAACAAGGAGCACCTTGTGCCAGTTGCCCAGATAACTGTGACGATGGACTATGCAC
CAATGGTTGCAAGTACGAAGATCTCTATAGTAACTGTAAAAGTTTGAAGCTCACATTAACCTGTAAACATC
AGTTGGTCAGGGACAGTTGCAAGGCCTCCTGCAATTGTTCAAACAGCATTTATTAAATACGCATTACACAC
CGAGTAGGGCTATGTAGAGAGGAGTCAGATTATCTACTTAGATTTGGCATCTACTTAGATTTAACATATAC
TAGCTGAGAAATTGTAGGCATGTTTGATACACATTTGATTTCAAATGTTTTTCTTCTGGATCTGCTTTTTA
TTTTACAAAAATATTTTTCATACAAATGGTTAAAAAGAAACAAAATCTATAACAACAACTTTGGATTTTTA
TATATAAACTTTGTGATTTAAATTTACTGAATTTAATTAGGGTGAAAATTTTGAAAGTTGTATTCTCATAT
GACTAAGTTCACTAAAACCCTGGATTGAAAGTGAAAATTATGTTCCTAGAACAAAATGTACAAAAAGAACA
ATATAATTTTCACATGAACCCTTGGCTGTAGTTGCCTTTCCTAGCTCCACTCTAAGGCTAAGCATCTTCAA
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CCTCACAATTGAGTTGAAGCTGTTCCTCCTAAAACAATCCTGACTTTTATTTTGCCAAAATCAATACAATC
CTTTGAATTTTTTATCTGCATAAATTTTACAGTAGAATATGATCAAACCTTCATTTTTAAACCTCTCTTCT
CTTTGACAAAACTTCCTTAAAAAAGAATACAAGATAATATAGGTAAATACCCTCCACTCAAGGAGGTAGAA
CTCAGTCCTCTCCCTTGTGAGTCTTCACTAAAATCAGTGACTCACTTCCAAAGAGTGGAGTATGGAAAGGG

Table 6
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AAACATAGTAACTTTACAGGGGAGAAAAATGACAAATGACGTCTTCACCAAGTGATCAAAATTAACGTCAC
CAGTGATAAGTCATTCAGATTTGTTCTAGATAATCTTTCTAAAAATTCATAATCCCAATCTAATTATGAGC
TAAAACATCCAGCAAACTCAAGTTGAAGGACATTCTACAAAATATCCCTGGGGTATTTTAGAGTATTCCTC
AAAACTGTAAAAATCATGGAAAATAAGGGAATCCTGAGAAACAATCACAGACCACATGAGACTAAGGAGAC
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ATGAAGTCTGAATAGAATCTGGAGTATTTTTAACAGTAGTGTTGATTTCTTAATCTTGACAAATATAGCAG
GGTAATGTAAGATGATAACGTTAGAGAAACTGAAACTGGGTGAGGGCTATCTAGGAATTCTCTGTACTATC
TTACCAAATTTTCGGTAAGTCTAAGAAAGCAAcactactgttaaaaatactccagattctattcagacttc
atcagttttttcattactgatcttttttctgttccaggatctgatccaagaagcacattgcatttggctcac
atgtctccttagtctcatgtggtctgtgattgtttctcaggatt
Table3 4057
ACGGAAACAAAAGAGATAATAAACTAATAGTTATTTAATATGCTGTAACAACAAATTAGAAACAT
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GGTATAATTTAGATACATATCAGAGCAAACATCTTTTCTGTGGCTTTGCAAGTTGTCATACTGTATTTTGT
TTGGATCAGCTTCCAACATTTTATCTTTTATGCTTTCAGTATTGTAAAATACCTCTCAGTTTTCTTTAGCA
TGCAGATTTTTTTTTTTTGTTAGCGTCTCTTCCTCTAGGACGTTGTCATTCTTTTCATCACTCCCACTTTC
TTCATTGCTAAGTTGGCN
Table3 4058
ACTAGGAGAGGTCCTGTGACCTTTCCAGTGCCTCAGAGAGTGAGAATGGGAAAGAGGAGTGGATG
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CACGTCCCATAATGTCTCCTTCATGGGGAGCTTCTCATGGCCTTGGTCTCTCCCCAGAGGCTGCCTATGGC
CATATTTCTGGGGATCCAATTCTCACACACTGGGCCCCTCATTCTTGGGCTTCCCACATTCAGTTACCTCA
TTCTTGGGCTGCCCACAAACAGTCAAAATCCTTATTTTCTAAGCTGAAGCAGTTGAGCTCTCTCACTTACT
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CTCATCAAAGTATTTTACTCCATCAAAGAGCCATTCACN
Table3 4059
NNAGTGACTCCAGCCTGGCTAATAAAGCAAGACCTTGTTTCAAAAAGAAAGAAAGAAATGAGCAT
GGTGGGAATGGGGACAGATGGCAATGTTAAGTAGAGTGGTCAGGGTTGGCCTCATAAGTGAATATTGAGCA
AAAGTTTGAAGCAGGTGATGGAGCTGGCCAAGGTGCTGAGGGAAGAGCATTGTAGGCTGAGTCAACAGGAT
CTTTATCCTGTTGCATTAAGGAGGAAACTCTCTGGTGTGTCTGAGGCTCTGGAAGGAGGCCAGTGGAGCAA
AGAGATAGAGGGAGCGAAGTCAGCGAGGAGGCCAGGGAGTTGCTGGGCTGGGATCGGTACAGATCGTGTAA
GCCCTGGGACGCTATTGCTGGGGCTTTGGCTTTTACTCTGACTAAAATGGGAACCACCGAGGGCTTCTGAG
CAGAGAGGCGACATGATCCGTCTCCTGATTTAAAAGCACGACCTGGCTGCCGAGTTGAGAAAGACTATGGG
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GATTCATGGTGGTGGTGAGAGATGGTCAGAGCCTGGATACGTGTTGAAGTCAGTCAGTAGGATTTCCTGAC
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AATAAATATAGCNNN
Table3 4060
ATTAATTAAGTCGGGGGCGGAAGGAGCGGCGTTACTTCCTGGAGACTTCAGGTGTGGTAGCCGGC
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CCCAACACCCGAGTGATGAATAGCCGAGGCATCTGGCTGGCCTACATCATCTTGGTAGGATTGCTGCATAT
GGTTCTACTCAGCATCCCCTTCTTCAGCATTCCTGTTGTCTGGACCCTGACCAACGTCATCCATAACCTGG
CTACGTATGTCTTCCTTCATACGGTGAAAGGGACACCCTTTGAGACTCCTGACCAAGGAAAGGCTCGGCTA
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CATTGCTAAGTGTACTGCTGCCGAAGTTGCCCCAGTTCCATGGGGTTCGTGTCTTTGGCATCAACAAATAC
TGAGGGATGGGTTTTGGGACAGCTCCATGGGCATGGGGAAGGCACTGAAACAGAGGACTATAAAACATCCT
TCTCTTAAAAAAAAAACACAAAAGACACAAAAAAAAAAAAAAAACGGGGGGGAGTACAATGGGGGGGGGGG
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GCAATAGACGCGACAGAGCGAGTCGAGCCAGGGACGGAAGCCAACGCGCAGAAAGGGCACAAAGAACGACA
CAGCGGGGCGCAAGAACCCTACTACCACAGGCAGCAGACACACACAGTCAACATCGAAGAACAACGGACGG
ATACAGGACCGCAGACAGCGAAN

Table3 4061
NCGNCCCGCCTGCGAGTGCTCCAGGAGCTCGCCGACCTCGTGGACGACAAGGAGTAGCCGCCTAG
GGGCTGCCGGCCCCTCTGCCTCCCCCGCACCTCGCTCCCTTCCCTTCCCCGCACCCGGACTTCGCAGTCAG
CGGTTCTCAACCTCTGCCCCGCCCCGCCACGCGCGTCCGCCGCCGGTGGCCCGGGCCCGGGCTGCACCCCC
GCATCCCCAAGCCAGCGGCAGGAAGTCTCAGGAACTGCCCCAGGGCCGAAAGGGCGCCGCTGCGAGCGCCT

Table 6
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GGCTGACAGCCACAGCGGTGGTGACGGTGCTGGGAGACCCCGCGTGCGCTTTCCCCTTGAGATGTAAACCG
GGAACGGGGAAGGGGCTGAGGGGAGAAAGGACATGGCCTTCCCCGCGAGTCCATGGCCAGTGACTGTGGCC
CGACTCGAAAACAACCCTCTTCTCAAAAGGGACCATCACCGCCCCGAGCGTGCGCACACAGACCGGTCGGA
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AAGCCAGACAGTGTTTGCCTCCGGTTCTTTCCACCGTGGGAAGCGAACGCCACCCCCACCCGCCTTTGCCT
GCGAGTCTCCCTCGCTGCAGAAGGGAAGCCGGCCCGTCCCGGGAGGAGATGGCGCTGCGAATTCGGTGAGG
ACAGCCGGCCCCGCCCCCGACAAGGAGCTCGCTCGTTCACCTGGTGTCTGGGAACTTGAATGTGTGAAGGG
CGCTTATTGTTCTGAACCCTTGATTGCTCCCTCCTCGGGCTGCATTTCAAAAATAGTCATATTTTTAAAGG
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TATATTTAGTTTGGCTTTTCCTAACATAGAAATCTTCAAAGCTGGGGAAGTGGAAATAAAGTTTTAAAAAT
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GGCTAATAAAATTTCAAATTGAAATTTTTATTTTCATGGCTTTAATCCATGATAGTTTAAATACTGGGGGC
CATTAAGAGTGGATGTAGCTAAGAGCTTAGCTAACATTGCCTTTTCACTCTATTTTTCTCAGATATTGTAA
GCATTCTGTTTTTCAATATTGTAGTTAATTTTTTGGCTTTCAACAGCAGCCCTAGTAATGGTGGAGTTGTT
AATTAATGTGTATATTGTACTGAATTTCTGTCAGTTAAGGGGTTCACTGCTTTGGTGGAAATTGGTGGAAA
TTGCTAGCAGGTTCCACGATGTTTATTTTTTTCTCCATGTTGTATATCATTACCATTTCACATACGCGTTT
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TTGGCCAGTTCCACAGTTCAGTTCTTCCTGAAAACAGGGATGATGAACTTGTAGGATCAGGACAAATGTGT
GTTTTTCAAAAACTTAAGGCTGGGTGTGAAACACCTTCTGTGGACAAGGATTTGTAAACTTCTCTCCTCCC
TCCAGCTGCGGCCCCAGCCTAACTGATAGTTACTTGATTCAGTGTGCTAGACACTTAAATAGCATCTATGT
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TAGTTGAGGTTAGCTGAGGCTGGAAATGCCTTTTTCATGGTAAATGATTCACTTCTATATTTTTCTTTCTT
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ACTATGAACTAAAGTATTTTTCTTAAGCCTATTGAGTGATTTATTTTTTAAAAAATGTTTAAATGCATATG
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GAGTCATTTATTTCCCTAACTTACTCCTCTTTCAAGTAACAGGTGGCAGATCATAAAATGAATTCTTTATT
GTATCTACACACTCCACATTCTTTACTGTGTCCTACTACTGTATCTTGGCTCCCTGCTGTATTAAACACCA
TCTTAAGCACTTGTTCCTGCAGGACTCCTTCTTGACATTTTGTCTCCCCCTTCAAAGTCACTCAAAGAGTG
GGACTTCATCAAAAGAAATGAATTAGTCTCTATCACACCGAATACTAAGATTTATTTCCTCTGATGGTACA
TAGATTTCTCTCTCACTAAGAGGGTCACTCTCATAGAGGAATGTCTGTGTCAGTTTTATACTTGCTGAGGC
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GTTGATGATAATACCTCTAAAAATATGCAATAATAAACCAATAGTTATGAAAGAAACTTGAAAGGTTTGCA
AGGTTTCTCCTAATCCCTGTTAAAAATTATCATTTATTTATCTCTTTTGTCAGTGTTAGTAAGGTAACCCA
TGACAGAATAATTTGAGTGATAGTTCATCATGCAGAGGATATGATCAAGATATTACCTTAATGGTTTTATC
CTGAAAAAGGTGTATACTTTTAGGGCACTGTTAACAATGCGAGTGAAACCAAGATGGTGCAAGTTCCCTTT
GCAGATGGCGTGGGCACACTTGATTTTTATTATGAGTGAATGTAATCTTTCTGTATTTTACCAGAGTTACA
GCAATTACCTGAAAAGTTTCCTAACATTTTAATAATGTTAGGGATTTCGTTTTGGTTTTAGTTGTCCTCAA
GAGACAACAGGTTCACAGTAATTTCCATGATGTTGGGTGTGGCTAAGCTGGGGATTGGTTCTGTTCCCCCT
GCTCCCGTGTAGAGAAAAGCTATATTTATACTGCATTCTTTCTCAACTTTCAGGTAAAACAAACTATGATT
TAAAAAAAGAAAAAAGAAAAGACAGGTACTTTTACTTCAAAGAGTGCTTTGCTACATTTTTATTTAAACCA
AAAATCAAATAAAATAAGGAGGGGGGCTGGGTATACTTTAAACAAAACCAGTCCTGAAATGCTGTTATTCT
CAAAGTACANNNNNNNNNNNNNNNNNNNN

Table3 4063

NGTCGACGCGTAAGACGTGTTTTGCGACCCGGCACCACCGTAGTTTTTACGGCGGCCGCCCGCTC
AGGTACCCAGAGTGCAGAGCCGCATTTCCAGCATGCAGGGGCTGCTCAGCGTTTAGTCACATCAAGAAATA
GAACAGAATTCAGCCATGGCCCCAAGAAAGAGAGGTGGACCAGGTATTGCATTCATCTTTTGCTGTTTCCG
AAATAATGATCACCCAGAAATCACGTATCGGCTGCGAAATGATAGCAACTTTGCGCTTCAGACCATGGAAC
CAGCATTGCCCATGCCCCCTGTGGAGGAGCTGGATGTCATGTTCAGTGAACTGGTGGTGAGTCCCAGTTTT
CTATCCTGGCATTGGTGGGGAGCCAGAGAAGGAGAAGAGGAGAGGATGTGAATGAGTTGGTTTGGTTTGAC
ATGGACTTTTCCTTTTCAGTGAAATGGCCCCCATTCACCTTTATGTCTGCACCCTCACTGTCAGCACTAAA
CCTGNNNNN

Table3 4064

GGCGGGTGCCTATAGTCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATGGCATGAACCCAGGAGG
CAGAGCTTGCAGTGAGCCGAGATCGCACCACTGCACTCCAGCCTGGGCAACAGAGCCAGACTCCGTCTCAA
AAAAAAATAAAAATATAAATATAAATAAATCAAGCTATTAACGGCAAAAAATAAAGAGCCACCTGGCCTGT
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TTGTCTGGAAACAGGAAGAGGGGCCAGCCTCAGGCCCCCCAACAAACTGGGGCATTCCCAGTTAAACTGTT
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AACAATCCAACAGCTGTCCCGCGCCACAGCAGGCAGCACCGCAGTAGATTTATGTTCCACCCAAATGGTCT
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Table 6
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GGCCTTTGAGGGAGATCAAGTCTAAATTTGAAGGGAGTCCAAATTCATACTGGGGTAATTTATTCAGATTA
TAAAGGGGGAATTCAGTTAGTGATCAGCTCCACTGTTCCCCGGAGTGCCAATCCAGGTGATAGAATTGCTC
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AGAAGTGTATCAAAGTGCCATGATTTTACATTGTCCAGGATCTGATAATCAAGAAAGTACGGTTCAGCCTG
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Table3 4065
NNATAGGGCGATTGGAGCTCACCGCGGTGGCGGCCGAGGTACTTACGTTGCCTCGTGTCACCAAA
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NNNNNNNNNNNNNN
Table3 4066
NNNNCCGAATTTCTTATTTAGTTTCTTGTATTTTGCCTACTCCCTCCCTTCTCCATGATTCAGCC
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Table 6
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GGGGCGGGGGAATTTCTTGAGCCCGGGAGGCCGAGGTTGCAGTGAGCTGAGATCGCGCCACTGCACTCCAG
CCTGGGTGACAGCGAGACTCTGTCNNNNNNNN
Table3 4067
NNNNNNNNNNNNNCCGCCCGTGTCAGGTACATCCCCTACATCAGTATCAGTACTTTATGAGGACA
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TGCATCTCCGACAGAAGAGTTACGTCAGGCTGCAGAAATGGAGGAGCTCC
Table3 4069
NGAGACTCCATCTCAAAAAAAAAAAAAAGCCCAGAGTTCAAGGCTGCAGTGCCCAATGATTAAGC
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TCCATTTAACAAGAATTACATTCATTAAACTGGAGAGTATCTCCTATAGAGAAAACTTTTAGAGTCAGATC
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AATCCTGTGTCCACTGAGGTGGGGCCGCCCAGGGTCACCAATCAGTACTCCAGTTCTATAGGTCCAGAAGC
GCTTCTTCAGCCTCTGATGAAGACTATATGCAAGGTCTTCATCAN
Table3 4070
NNNNNAGACAGTCAATCTGTCAGCTCTAACACTGATGCAGATACCTCCCCGGGGAAAAACCATGC
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GCAAAAGAATGCTTCAAGAAAACTCGAAATGGGAAACTTAGTACTGAAAGAGCCTAAAGTAGTTCTGTATA
AAAATTTGCCCATTAAAAAAGATAAGGAGCCAGAGGGACCAGCCCAAGCCGCAGTTGCCAGCGGGTGCTTG
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CCAGCTCCTGTGCTGCAGGAGGAAGAACTGGCTCATGAGACTGCACAAAAAGGGGAGGCAAAGTGTCATAA
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AATCTACTCCAGTGCACGATTCTCCTGGAAAAGACGACGCGGTACCAGATTTGATGGGTCCCCATTCTGAC
CAGGGTGAGCACAGTGGCACTGTGGGCGTGCCTGTGAGCTACACAGACTGTGCTCCTTCACCCGTCGGTTG
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CAGGCAGTAGTTCTACAAAATTAAAAATCCAGCTAAAACGAGATGAGGAAAATAGGGGGTCTTATACAGAG
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Table 6
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CCAGAAGGTCTCTTATTTCTGGAAATGGGTCCGTACCTTCTGATTCAGGTTCCAAGAAAACACACCGGGGA
TAGGAAN
Table3 4071
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNTACAAATTTTTAATTAAAATAAGTTTATTTAAAAG
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CATTGTGTCATGGAGATTATGCCGCAAAGGGAGAAACCTGCCAAGCCCTTTCCAAGAGGTGCTGTGTGCCA
GCCCAATCCCCAAACCCTGCCAAGCCACGGAGTGCTTTCTAGGCTGGTGACAGGCCCCAGTGCCAGCTAAA
TGCCCGTATGCTCGGGGATGGAAACAGAAAGGAGCTCATTTCACTGCTCTCAGAGAGCTGGAGTGCAGAGG
ACCTTAGAACTCAAGTGCACCAGAAGCTTCAAGAGTTTAGCGGCGAGTGAGCTCTTCTCCCCACCAAACGA
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Table3 4073
ACTTTTTATTCCACTCTCTTCTTGCTTGCGTGGTTTCTAGAAAAGACAGCTGCAGTTTGCATCTT
TATTCCTCTATAAGTAAGGTTTATTTTTCCCTCCTCTGGTTTCTTTCAAAGATTTATTTTTTTATCCTTGG
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TTTGTTGTTCTCTGAGCTTCCTGAATCTGTGGTTTCGTGTCACATATTAATTTAGAAAAATCTCATTCATT
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CATTTTTGGAAGTTTCTCTTGAAATATACTGAAGCTCCAGATTCTTTCCTCACCCACATCCAGTCTGCTAA
TGAGGCTTCAACACCATGCTTCATTTTTGTTAGTTTCTTGACTTCTAGAATTTTTATTTGATTCTTTCTTA
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GCTTGAGGATAGGAGTTTGAGAACAGCCTGGGCAACATAACAAGACCCTGTCTCTACAAAAATAAAAAAAT
AAAAATATTAGCCAGGCATAGTGGT
Table3 4075
cctggattgtaaccagattttcttttTTCCCCCTTCTCAGCTGTAGATATGATATCTCCTTTCAG
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GgtGTTGGAAATGCtaattCTgagggctggtgcag
Table3 4076
NNNNNACACAGTCCAATGATGCTAAAAAGCAAGCACATATGTAAGTCTGCAAAATAACCAGCTGA
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ACAAGGGAGCCAGCAGCGGGAGAGAAAGGAGAGGGAGGACGCCGACCCCGAGCACGAACCGGAGAACCCCA
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Table 6
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GACCAGAGCGCGAGAGAGCTAGAAAGCCCGAGGACAGCGGGCAGACGGCCAGGCGAGCAGAAGCACAGACG
GACGCGCGAGAGAGGAGCAGCGAAAGACGGCCAAGAGGCGTAGCGAGCGGAGGCAGAAGGCGAAGCCAAAG
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GACGGCGCGAAGCGACAGCACGGGCGCACGTAAAGAACAGAAGCGGN
Table3 4078
NAATGGGTGCCTGAAACTGATGATAGTACCGAATCCAATATACCANAATGAAGCATTGGTAAAAA
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Table3 4079
NNNNNNNAACATTTGGGAGAACATGAAAATGAGGAGGTAAAACAGAAGGCTGAAACAGGGAAGGG
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TCAGTATTAATCTGTAAAATCACATTGATTTATCTTAGAAGGATAAAAAGAACAGAAACAAAACTCTACCA
GCTCATATAATTTTTCTTTGCAAAAATTTTTTGCTTCTTTACTATACTGAATTAGTTACATCAATTGTTGT
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GTAATATCCCTAGGCTAAAACTAAAACAAAATCTCAGCAACCCAGAACTTTCGGGAAACTGATGTTCAGGA
AAACATTTTCCAGATAACTAAGGGTTGCTATTTTAAGCAGGACTCCCCCACTCCCATTTTCTGATTAAAAA
AACAAATTGTTCTTAAATTGTATACCTTCCTGTGTCCTTAAAACAAGGGATGACAAGTTCTTTCGAGTTGA
GGGTTTGGTGTACCCCATATCAAACAGCCAGACTGTAGTGCTAAG
Table3 4080
NATATGAGAGCCATGTGNGGATCTGTACGGCAGGGTGACAAGGAGAAGACAAAGCAGGAATGGGG
GCTGGGTTAAGAAAGACTTGAGAGACACTAACTTGCTTATCTTGAGTTTCTGTGTTCATCTTAAAGAACAG
AAAAAGGCATTTGCTTCATGGTGATGAAAAAATCAGAGCTAGCTGATATTGGAAACTAGCACTCATTTCAT
ATAAACAGAATAGAGCTGTACCCTTCAAACTAAGTCACAGTTACTTTCAAAGATTGGCACAAGGGTCTCAA
CACATCAAGTGTATGTTAGGGGCTGGGCTCCGTTGGAGTCAAATCTTCCTGGTAAACAAAGCTACACTGCA
GTCATATTTGGCATATGTGACATATAGGCCCACTGCATTTCCTTCCAAAGGCAAGATGCCAAGGGAAGGTG
CCAGTAATTTTATGACCAATATGACACCATTTTGTGGTGTTTGTAAGTTGAAACAATATATTTCCCTGCAT
TACACAAGTTTATAAAAAACAAACAAAAAAAAGAGGCCCCAGCTGTGGTTGATCGATGATGAATTGAATAG
AGCCTAACCTTCCAGGCTTCTCACTTGCACAGGCCCTTCCAAGGTCCTGGGAGGGCCCCTGGAAATTTTTG
TAGTCATAATTTTTTTAATGTTTTTACTAGATAAGGCTCAGGCCCCACAAAATCCTGAAATCATCCCTGGG
TTCCAATAGTTACAACCCAGTAAATCTCTTGAATGAAGCCTCTATGTTATTGACAAATACTGACTGGCCAA
GTTAGCAGGGTGATAGGGTCAGTCTATTTTGAATCTGAAATCCATCTCAAAGACAGGCCAAGAGCTTATTA
GTGGACTTAACTGGATTCTGCTGGCCCAAGCGCAGTAAAGTCAAACAACCATATCGAGGTTTTGCACTGGG
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TGAATGGGGGCAATAATCATATCTCTTACAGATGAAATCATGAATGAAATGGTTTATGGAAAAGCAGCAAT
GGTTGATAATCCTAAATGTTAAGTATGTTTATATTTTTTCCCTGACTTTAAAGTGCTTCTCCTTCATTCCT
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CCTATTGAATTATTTATCCCACTATTAGAATATTAGTGAGGTAGGTGTGGCCACACTGTGATGGCAAATTG
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ACATGTTACCTCCTATGATACCTCATTTTCATTTTTCCAACAACTCTTGCGATGCGGTTATTATTATCATT
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GTGGCAGAACCACTTACAAGCTTTGCAAGTAATTTTCAATGCAGCTCTTAGTTCCCCTGTAATAGGAGCTG
AATGATGACAATTTGGCTTTGTGTGCATTGTATCTTACTTTCTAACTTGAACAGGACCTGTAGAGCAGTGA
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Table 6
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TTATGCTCACCGGTCAGTGCTGGTGTGACATGATGGCTGAGCACCGGCACTGTGTCCAGCGCATTGCTAGG
CACTAGACACGTGCTCTTTCATTTATTCCTCAAATTGCTTTGTGCTGTAAACGCTACCCAGAAAGGCTCAT
GTTCATTACTCAAGTCACTTCACCAGAAAGTGACAGAGCCAGAATTCAAACCCAGGTCTGCCAGATTCCAG
GTCCCTTGCTTCTTCTGTTGTTGCTCATTGCAAGGGAGTCTTCTTCAAGGTTATTCTCAGGACTTTGATTA
AGATACAGGCTCACAGCTGGGCATGGTGTCTCATGCTGTAATCTCAGCACTTTGGGAGGCCAAGGTGGGTG
GATCACTTGAGCTCAGAAGTTCGAGACCAGCCTGGCCAACATGGTGAAACCCTGTCTCTACTAAAAATACA
AAAATTAACCAGGCATGGGGACGGGCATCTATGATCCCAGCTACTCTGAAGGCTGAGGCAGGAGAATCACT
TGACTCCAGGAGGTGGAGTTTGCAGTGAGCCAAGATCACACCACTGCACTGCACTCCAGCCTGGGCAACAG
AGTGAGACTTCATCNN
Table3 4081
NNATAGGGCGAATTGGAATTTCCCCCGCGGGGGCGGCCGCCCGGGCGGGTACGCGGGGAGAAACA
AGCAGCTGCTGCCTGGTGGTAACAGCAAAGGGTGGAAGTCAATAGGGTCTCTGTGAGACTGTTTCACAGAA
GGATGCGTGTTTACCCAAGGCTGCGCATCAAAAAGAAATAGATAAAATAAATGGAAAATTAGAAGGGTCTC
CTGTTAAAGATGGTCTTCTGAAGGCTAACTGCGGAATGAAAGTTTCTATTCCAACTAAAGCCTTAGAATTG
ATGGACATGCAAACTTTCAAAGCAGAGCCTCCCGAGAAGCCATCTGCCTTCGAGCCTGCCATTGAAATGCA
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CAGAATCCAAACAAAAGGACTATG
Table3 4083
NNNNNNNNNGCCCCCTGAGACGGAGTCTCTGTGTCACCCAGGCTGGAGTGCAGTGGTGCGATCTC
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ACAGGCGCCCGTCACCGCACCTGCCTAATTTTTGCATTTTTAGTAGAGACGGGGTTTCGTCATTTGGCCAG
GCTGGTCTTGAACTCCTGACCACAGGTGATACGCCTGCCTTGGCCTCCCAAAGTGTGCTGGGATTACAGGC
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CCTTAGAGGATATTTGAGGAGGAAGAACACCTTGCAGCTGACTTGCAAACATCTAAATAATTTATTTCGGG
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TTATGTTAATTATATCATCTGAGGTTCTAAGGTTTTTTTTTTAGATTTTGAAATTTAGGGATAATAGCTCT
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TGCTGTGTTCTGTTTGTTTTCTAGTCATCATATCACACACCTTTACGACAGCTCACTGAAGGAAGGTGATA
CTGTTCCCATTTTGTAGATGGAATAGACAAAACCTGAATTTAAGTAGCTTGCTCAAGGTTCCATATTGAAT
ATGGAAAGTTCAAATCATCTCAGTAATGAATATACCATATATACTTGCTGTATTGTATCTATGATAATTCA
GTTACCCACAATACCCTTTTAAATTTCTGTTAATGACATACCTTTAAATGTCTCCTTGATGAACAGAATCA
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GGCCTCACAAAGTGTCAGGCTTACAGGCGTGAGCCACTGCGCCCGGCTCACAGGGTAAGGCTTCTGTCTGG
TGTGTCGTATTACGGATTTGCTTAATAGGCACAGTGAGGCATTAAAAAGAAAATTCAGTATGCCTGTAGAA
AGGGATAATCCTGGCTTTAAAGTCTTCAAATTGCCGTCCAAGATGTTTTGACTGTGCCTTTTTTGGTTCCC
TGCTGTCCTTTATGGTGAATTCTGTCAGTACCATGGAGGCGTCATCTTGTGGAAATTCTTCTGACGGGAGC
CTGATCTGGGTGTGTTCACCCACTCTTTTTCCAATGGTGAACCCTTACTTGGGAANNNN
Table3 4084
TTGACTATGAGAATTATAACCCAAATTGCAAGGGGAGGAACTGTCCCTGAAATCCTGTTTAGAAA
GCCATAAACAAGGAAACACCTGTTTGTATACAGTTTGAAGGGTGGTATAGCTAGACTGGCAATAGATTCTT
GTGAACAAGTTAGTAGGGCAATAGTTTTGTTTCTTTAAAGGATTAACATTTAGGTAATAATGCGTACGTGA
ATGTTTGCCTAGAAGTCCTGTTCCCTATATAATAATACTTTGATAATCATTTCAAATGCCAACCCTTCCTT
AATATAAAAGTTTTGCGTTATGTTAAATAAACTATTTTTTTCTTTATTCTTTTCTTTTAGCTTTATCTTCA
AGCCAGGATGAAGGGAGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTGTTGCCGTATCCA
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ATCTCAATGTTATTAAAAGTCACTTCAGGATACACACCAGGTTAAAAACTAGGTTGCTCTTTCTAAAACTT
AGTATTTTTGTAAAATCTTAGTATTTTTATTGTGAAAGGCTCTGGCTAGAAATAGTTTTTTTAGGGGATTA
TGACTTGAAAAAACTAATTCACATGTAGAAATAACTCTTTTATTCAGTATTGGCAAAATGAAGCTATTTGC
TGAAGGCATAACAAAGCAACTCTTAATTTGGAATAATCTTTAAAAAATCCCAGTTAGTCTCTAATTTTTTA
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GGCCTGTTTTCTAAAGGAAAATGATTGCCACAAGGCAAGAGGATGCATCTTTCTTCCTGGTGTACAAGCCT
TTAAAGACTTCTGCTGCTGCTATGCCTCTTGGATGCACACTTTGTGTGTACATAGTTACCTTTAACTCAGT

Table 6
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GGTTATCTAATAGCTCTAAACTCATTAAAAAAAACTCCAAGCCTTCCACCAAAACAGTGCCCCACCTGTAT
ACATTTTTATTAAAAAAATGTAATGCTTATGTATAAACATGTATGTAATATGCTTTCTATGAATGATGTTT
GATTTAAATATAATACATATTAAAATGTATGGGAGAACCAAATCCACACTTGCAGGCATTTGTAGTCAACT
GTAATCAAACAGGTGGTCAATAATTTAAAATCTCACATTCCTTTAGCTGACTCTACAAGTAGAGGCTGGCA
GCAAACACAATATCTCTCTTGATTTTGGTGATTCCTTGTAAAGTCCAAGTTGGGGCAGGTCACTCCCAAAC
TCCACACCTCCAGTCACTGCAGAGTTGAGAAGCTGGGGCTGGNACNNN
Table3 4085
TTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGCTCCTCGCTACGGCAGAGGGGAACCGGG
CGGAGCGGCCAACATGGCGGAACGCAGGAGACACAAGAAGCGGATCCAGGAAGTTGGTGAACCATCTAAAG
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CAACAGAAGTCCGACAGTGAGGAAAAGTCAGACAGTGAGAAAAAGGAAGATGAGGAGGGGAAAGTAGGACC
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ACAGATGGGGATTGTGAAGAGGATGAGGAAGAGGAAAATGATGGAGAAACACCTAAATCTTCACATGAAAA
ATCATAATCTGACTAATTTTGGGACTGAATGAATAAGTACAAGAGGTTGGATTTTCTATGTTGGCTGATTA
CCATATTGAACACATGGCATTTGTAGCATTCTTTAAATCTATCTACTGAAATGTATTTGACATTCAAGCAG
TTATATTCGGTCCTTCATTTTATAGAATATTGGCACTATTATTGGTACAGTTTAAAGCCATTAATATGTTT
TATCCATTTGATAATTTTACAGTAAGTAGGTCTCATTCATTTTGACAGTTATCAAAGATGTACTTTCCACA
GTTAAATTTACATTAATGGCAATTTTTGATAGTTTTATGGCTTTTTACTGTTAGACTAATCAAAAATAACT
TTAAAAGGAACAAAGAAACTCCAACATTTCACATTATGCATAGTTATGTAGCCATTTCACAGTTTCTTTAA
GATGTGTAAACTCATTGTCCTTGATAGTTTTTATTTTTCATTATAAAATTATACCAGGAGATTTCTTTTAA
GATTCTGAGTTAGCAGAGTTCAAAACTATTTTGTGGAAACAAGCCAACTAGTAACAATGCAGCAACACTTC
TGGTTTAGCTAAATTATTTTTCCAATGTAGGAAATCCACACTGATTTGTACGTCTGACTGAGAGAAAGATG
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TTTTGAATATGAGCAAAAACTGATCTTAAGAGCAGACTTAAAGTAGCTTTGTACGCCTTAATGTTCATTTT
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AAATTTTTTATAATATATGTAATTTGTCTAGTCTTAAAGACATTTGGAGCATGGCCAACAGGAAGGTCAGC
TTCTTACTGATGTGTGTGGATTCTTACAGAATGTTAGTACAAATTTTTATAAATATTTGGTGATCCCTGGG
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AGTTGTGTACTTTAAACAAATATAAAAATCAAAAGGCTGCCTCTATTACAATCCTCAGTGGAATAGATGGC
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GTAGGGCTTATTGTAGAGGGTATCAATTGGCCTAACTAAGCAGGATTGAATTTACCAGAGGCTAAGTTCAG
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TTCCCCCCTCTTTCTGGTTTTACATCATGAGGATCAGTTAGCTGCTGACAAGAAAAGTCATCTTGTGTCTT
TTGTAAATTGAATTTTTTTTTTAAATCTATAGGAATGGACACCAGTTGGGGACCATATCAGGAGAGGCTTAA
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GGAGTGTAAAAAGCGGGAAAGTGTGTAGTANNNNNNNN

Table 6
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Table3 4086
ACTTGCCCCCAGGCCCAGATAATTTATTTAAAAACTTTTTTTGTAGAGACAGGGTCTCACTATGT
TGCCCAGGCTGGTCTCAAACTCCTGGCCTCAAACAATCCTCTACCTCAACCCCCCTAAGTGCTGGCATTAC
AGGCATCAGCTGCCATGCCTGGCTACAAATCTTAATGTTTTCCCCATGGCTTCTTTTTCTGGCGTTCTTTT
CTCAGGTAATGGAAGTGGGCAGAGAATGATCCTTTCCCTAGGCTCCAGTGTGTAAGAATTAAAGAAAGAGG
AAAGAAACACAATGGCTTGATGGTCGAGGACAGGTTTATTTTAAAGAAAACAAACCCAAGAGTGGCTTCTG
GCTGAGTTAGATCAGAGGCATGCTCTCTTACAGACTAAGAGTTTTTAAGGATTCAGGGTGGGAGAATTTAC
CAGAGGCTTGGACTGCTTCTGTGTCTCNNN
Table3 4087
ACTCCTATGAACAAAATTTGAAGCATGTTTATTTCTCTGCCTGGTTCCTCTAGAATTTGGAAATT
ATCTGTCTGGAAGCTCTGAGTTTATCTTGGGACCTCAAGAGGAGAGGATCACCCAActaacagcaatcaaa
ctCCAAATGGTGCTATAAACTgaaCCACACATgGACACGTCAGtCTtccgaGGACCctTagatcAACCCCA
GgAGGAGCCCTagcTgctgttccccAttctacgCCCCTTTccagcaggAagaagccagaagacatcgtctc
ccaaaacctttaa
Table3 4088
NNCGCATATTTGGCCTGGGCCCCTTGGGCGCCCGTGGCCCCTAACCTCTTGGGGTGTCACACGCC
GTTCCCCGCCGTTTTTTCTTGGTAGGAACCCCACACTATTCTGGCCCGGTTTTCTTGGGACACCGGTTATG
CAGTGTGTCCCTCACATATTGGGGCGCTCGCCCTCTACCAGAGGGTGTTTTAAAAGCCTTTCTTGGTGGCC
CAGCGCGGCCCCGAAACAAGTGTTGTTGTTTGTCTTTGTTTTTTTTTTCCTTTTTTTTTTTTCAGGAGATGA
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GAAAAATAGCTGAATATCAGCAAGAACAGTTATCTTCATGGTGTTTTAATTTGCGCTGTACCCATCAGAAC
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CCACTGGAGGATACAAAATGAGTTTGGATCTCCTTCAATGCCCCATTCCCAGAGAACTGTCATTATTTGAC
CTGCTGGTAGTTCCCTAAAGGACGTGCAAGGATGTTTTTATTTGACTGGACACTTGAAGCTTGCCCTGTAT
GAACAGCCCCCATCTTCCCATGCTTGTCAAAAATCAGAGGCAACTAACACTGCGGCTTCCTGAGAGTCTCA
CTCTGTCACCCAGGCTGGAGAGCAATTGCACAAACACTTGGCTCACTGCAGCCTCAACTTCTTGTCCTCAA
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NNNNNNNNNNNNNN
Table3 4090
NNNNGGTGGCCAACTTTCCNCCCTCCTCAATTTTCCAAANTAATAAGGCAACAAACCTCCCCTTT
CCTAAGAATAATGAACTTTGGCCCAAGATGACTCACCCTGAATGCCCACCCTAAAGGGCATTGCCCTGGCC
CCGGTACATTTCCTCCTGGCTCCCAGCCTTGGCTAAGTTGATGACCTGACGTCGATCTCCACATTCATCTA
CATGAACGTGGGGGCGTTGGTTTTGGCGGCCAGGCTGTAAAATGTAGGGCTTGTCTCAGTTTGCTATTTAA
TCAACATGTGGACATTTTAGCAGAGAAACCCCAGAGCAAATAGGAATGAGAAGCTACCTGATTAAAATGAT
GAAATGATAGAGAATGTTTTTTGGCTGGGACATTTTAACCAAAGTTGCACAACTGATGCTGATTGCCTTCC
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N
Table3 4092
ACGCGTCCGGAAAAAAGAGACTCGGCGAGCCCTCGCTGTGGTGCTGCCGCCGCCGCCGCCGCCGC
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TACAAGATCAACCACCACCAACAACAATAAAAACCACCAGGATATTTTTTTGCAAATTTCTGACGGCTTTA
AATTCATGAAGCAATTGTCCCCTTTTGCAATCAGCATTTGGATCTCAGAATGAGCAAGGAAAGACCCAAGA
GGAATATCATTCAGAAGAAATACGATGACAGTGATGGGATTCCGTGGTCAGAAGAACGGGTGGTACGTAAA
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AGCCACCAACAATGCTTCATCTTCATGCCAGTCGACCCCCAGGAAAGGAAAAACCCACAAACATGTTCACA
ACGGGCATGTTTTCAATGGTTCCAGCAGGTCAACACGGGAGAAGGAACCTGTTCAAAAACACAAAAGCAAA
GAGGCCACTCCCGCAAAGGAGAAGCACAGCGATCACCGGGCTGACAGCCGCCGGGAGCAGGCTTCAGCTAA
CCACCCCGCAGCGGCCCCCTCCACGGGTTCCTCGGCCAAGGGGCTTGCTGCCACCCATCACCACCCCCCTC
TGCATCGGTCGGCTCAGGACTTACGGAAACAGGTTTCTAAGGTAAACGGAGTCACTCGAATGTCATCTCTG
GGTGCAGGTGTAACCAGTGCCAAAAAGATGCGCGAGGTCAGACCTTCACCATCCAAAACTGTGAAGTACAC

Table 6
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TGCCACGGTGACGAAGGGGGCTGTCACATACACCAAAGCCAAGAGAGAACTGGTCAAGGACACCAAACCCA
ATCACCACAAGCCCAGTTCCGCTGTCAACCACACAATCTCAGGGAAAACTGAAAGTAGCAATGCAAAAACC
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GGGAGGGGCTGCGGAACTCCAAGAGGAGACTGGAAGAGGCACACCAGGCGGAGAAGCCGCAGTCGCCCCCC
AAGAAGATGAAAGGGGCGGCTGGCCCCGCCGAAGGCCCTGGCAAGAAGGCCCCGGCCGAGAGAGGTCTGCT
GAACGGACACGTGAAGAAGGAAGTGCCGGAGCGCAGTCTGGAGAGGAATCGGCCGAAGCGGGCCACGGCCG
GGAAGAGCACGCCAGGCAGACAAGCACATGGCAAGGCGGACAGCGCCTCCTGTGAAAATCGTTCTACCTCG
CAACCGGAGTCCGTGCACAAGCCGCAGGACTCGGGCAAGGCCGAGAAGGGCGGCGGCAAGGCCGGGTGGGC
GGCCATGGACGAGATCCCCGTCCTCAGGCCCTCCGCCAAGGAGTTCCACGATCCGCTCATCTACATCGAGT
CGGTCCGCGCTCAGGTGGAGAAGTTCGGGATGTGCAGGGTGATCCCCCCTCCGGACTGGCGGCCCGAGTGC
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CAACGTGCAGCGGCTGGCCTGCATCAAGAAGCACCTCAAATCTCAGGGCATCACCATGGACGAGCTCCCGC
TCATAGGGGGCTGTGAGCTCGACCTGGCCTGCTTTTTCCGGCTGATTAATGAGATGGGCGGCATGCAGCAA
GTGACTGACCTCAAAAAATGGAACAAACTAGCAGACATGCTGCGCATCCCCAGAACTGCCCAGGACCGGCT
GGCCAAGCTGCAGGAGGCCTACTGCCAGTACCTACTCTCCTACGACTCCCTGTCCCCAGAGGAGCACCGGC
GGCTGGAGAAGGAGGTGCTGATGGAGAAGGAGATCCTGGAGAAGCGCAAGGGGCCGCTGGAAGGCCACACA
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CCCTTTTCGAGGCATGGATGGAACCTCACCGTCCTCCCCAATAACACAGGGTCCATCCTGCGTCACCTCGG
TGCTGTGCCTGGAGTGACTATTCCCTGGCTAAATATTGGCATGGTCTTTTCTACCTCATGCTGGTCTCGAG
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GCTGGAAAGCAACGTCATGATCTCCCCGGAGGTGCTGTGCAAAGAGGGGATCAAGGTGCACAGGACCGTGC
AGCAGAGTGGCCAGTTTGTCGTCTGCTTCCCGGGATCCTTTGTGTCCAAAGTGTGCTGTGGGTACAGCGTG
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Table 6
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Table3 4095

NNNNNNNACGGACACACGGCAGCCGGGGGCCTGGCCAGGTACAAAATAAATTTGCTCATTGGGTT
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Table3 4097

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CCTTGGTGGAACATGTCAAGGAGGAGTGTGACCGCCTGGGCCCTGGCATGGCCGACATATGCAAGAACTAT
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Table 6
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ttaaaattcgcgtttaatttttgttaaatcagctcatttttaaccaataggcccgaaatcgcaaaatccc
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Table3 4099
NNCGACCACGCGTCCGAGGCACCGCCCAACACGGTCTCCGCTCAGGGTGACCCGGAAGCAGTTGC
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NNN
Table3 4100
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GGACAACTTCTTGTGACTTTGGGTATTCTGAAATTACTCATCTTGACTCTACTGTGCCTGGATGTAGCTGT
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GAACTATGCTTCGTGGTGTTCTGGGGAAAACCTTTCGACTTGTTGGCTATACTATCCAATATGGCTGTATA
GCTCATTGTGCTTTTGAATACCTTGGTGGTGTTGTCATGTGTTCTGGAN
Table3 4103
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CAGAAAACGNTNTNAGCCCACTCACCCAGTGTACAACACTTGGACCAGACAAGGTGATCCAGGCCACTACA
TACTTTCTACAGAAGCCAGTCCCAGGTTTTGAGGAGCTTAAGGATGAGACATCGGCAGAGCCTGCAACCGA
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Table3 4107
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TTTGTTGTTCTCTGAGCTTCCTGAATCTGTGGTTTCGTGTCACATATTAATTTAGAAAAATCTCATTCATT
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AAAAATATTAGCCAGGCATAGTGGT
Table3 4108
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GTGCCCCTACACCAGCTCAAAGGACTGCTTCTGAGAGCTCTAGGCTTCCTCAGCTCCTCGGATGGCAGCCG
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Table3 4109
CCCACGCGTCCGGGATGTCTTGCTTCATCGTAAACCTAAACTGGGACAGGAACTGGGCCGGGGCC
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Table3 4112
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TAAAAATTTGTATATACAGTATGTCAGCATTTCTTAGTAACTTCTCTTGAATCCATTTTTAATATCTAATA
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AAATTCATTCCCCTGTATTCAAGACCAAAGCACATAAATGCTAATGTAGGGCCAGAGGGGAAATACAGTTC
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AGGCCTTCCCTTTTATCCAGGGTGGGCGCCGGTTCATGGCCCAGGAATAACGCGGCGGAGAACCGGGAATG
TGGGTACCAAAGAATATGGGGGGAAAGGTCGGAGGAAACAATAGAGAGGTTTAAATTCTTGTACTCCACGA
CCCCCCGTCCTGTCNN
Table3 4114
ACCGCGGTGGCGGCCGCTTTTTTTTTTTTTTTTATATTTTTAGTAGAGACAGGGTTTCACCGTGT
TAGCCAGGATGGTCTCGATCTCCTGACCTCTTGATCCGCCCACCTCGGCCTCCCAAAGTGCTGGGATTACA
GGCGTGAGCCACCCATCCGGCCTAACGAGACTTATTTTTACTCAACTAGATGGCGTTCATTCATTTGCTTA
CTCAGCTGTGCCAGGAATTAAGTTGGGCACTGGGAATTCCAAAACCAACAAGACATTCTCTGTCATCAGGG
AACTCACAGCCTAGTATGAGAGATAAACAAATGAACATGAAATTATAATTCAGTAACAAAGAATGAGTGTT
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GGCATCCGAACAGAGGGGACAGCTGAGCTGAGTTCAATGAGCCAGTAGGAATTAGGTTGATATAAGTCAAA
TCATTTAGTGTTTATGACAACTCTGAAAAATAAGTATTTCCATTTTACAGATGTGAAGCCTAAGTCTCAAA
GAGTTATCCAACATCATCCAGAAGTGTGGGGACCCCACAATATCCAAGGGAACCTGGCCCCAAAACTCATG
ATCTTTCCCCTTTACCGTGCTGCCTCTTCAAGACTGAGAATCTGTCCTTGATGGGATTTGTTCAGGTACCA
TGTCAGGATGACTGTCTACGTAATGGAAGCCCTGTCGCCAGCTTTTCAGCTTCCTTTCAAATTCCCCCAAC
TCCTTCTTTTTTTCACGCAGCAACTTGTCTCTTTCCATGGAAATGCCTGTTCTTCATTGAAATTAAGTCCA
TCTGGCATGATCTCCCTTGACTTCTTTCCTCTCTTTTTGAACATGTGTTGATCCTCAGCCCAGCAGATTGT
AAACTCCTCAAGGGCAGGTGCCCTGTTTTAATCCTTGTCTGTGTCCACATAATCAGGCATAAAAACAAGGG
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AGAAAAATGCAACAACATAATGGAGAAACACACAGAAAGAAAATCAGAAACAGAACCCCAAGGCATAAAAA
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Table3 4115
CTCTTTTGTCAGGAATAGTCATTGTTACTTTAGGAAAACCCTGAGTTTATCCAACTCTTGTTAGA
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ACTTCAGTTTTACCACATTCATCTCCCACACACTGATGAACCATATGGAGACAGCAGGAACTGCAGTAGAA
CCAGAGGGAGTAGTTAGGACAGACACTCTGATTCATTCATTCTGATTCTCACTGTTGTCAGTGAGTAAAGG
TCATTGAATTTTTCTTCTGATGAATAAAATGGACAATTTTCTCAGTGCAATGGCTTACTTTTGGAAGAGCA
GCCCTAAAGACTTTACTACTGATCAGTAAAGTCTAAACTGCTTTCTGTGTATTTTTTTAATTAAACTTTTA
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TAAGGTAGTGAGCATCTCACCTTCTCCCTCTCTTCACTCTGTTACAGAGAACAGACCCTCCCAGTCTTCAG
TGCACTCTAAATACTGGCTAATTCTGGCCAATGGAAGGCATCTGTGGAAGAGAAAAGCCTCAGGTCATGTG
CTATCTGTCTTTATTCACTGTGACATATTAGGTAATGGTCACAGCCACTCACCATGGCCCCAGTTTTTAAT
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TCCATAATTAAAATACTTACAATTATTTTTGCCTACTTCTTTTGCCCCTTAGTGATATGTTTTAAAAAACA
CTTATAATGTGTCACAATATATTTAGCAAATGTAGGGAATGACATTTTTACTTTCGTCAGCATTTACACTA
GCATTTATGGAGCAATGCTATATAAAGTATTTTTAGTAATTTAAACGTTATATAACAGATATCCGTTGATT
CCTTTGTTTCTAAGTAAATAAGTATACTTGAGATATTCAGTAAACAGTATTGAATACATGTTTCAATTGTA
TAATATAAAATTATGATTATTCTTTTTAAACAGT
Table3 4122
NNCTGAAGCACGTTGGGTGAGAGAAAGAAAGAAATCACATCCTTTATCCTCCCACACAGCCAAAG
ATTCCTGAAGACAGAGCTGATGCCATGTACTCAAGTGGGTCTCTGCCTCTCAGAGGTGGCCTTGGTCTTCA
AGTTTCAGCAATTCTGGGAAGCCAAGGACACCTCCATCTCCTCCTCCCTGATCTGCAACTCATCTAAGAGC
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CCTACTGGATCCAACCCAGGATTGGAGATACTTTGCAGAACACAACATCATCTGGCACATGACCAGCCATG
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CAGGGCTGATGTGGGCGGCTACAGGGAGAAATTGAAGAGGAAGTTCTTGGTGGTGCCCTCCATGAGTACAA
AGAAGCCTCAGTCCCCAGGACACCCTTCCGTGCATGGTGTCACTGACATCTTTATTTCTTTTGTCACGTTC
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AAAAGTGGTAACTTTATCCTATGTAATATCCCTGTTAAGTCCTAAAAGTCTTTTCTGATGTCTATTTTGTC
TGAAATTTGCACAGCTACTATAGCTTCATTTCGGTTCATATTTTCATAATCCATGTTTTCTCATCCTTTTA
TATTTGTGAATGTGTAAAGTAACTTTCTTGTGCATAGCTAAGAGTTTGGTCTTGCTTTTTTAAATCGACTA
TAAGTTCTATTTTTAAACTAATATTTTCTCTTATTTTTTGTTTAAGATAGCATTTCATAATGATGTTTATT
TCTCCATTAACATATTACCTAATTCACTTTTTATAAATATTATATTTGTTACCATAAGGTTTGCAAAAGGA
GCGATTCTTCATTTTGGAACCCTTTCTTATTTTCTGGGTACGACATAATGTAAAGCAGGCTTCGGATAGTG
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CCTCTAAAGCGCTAAGT
Table3 4124
GCCGCCCGGGCAGGTACGCGGGGATGCGTGAAAGGTGCTGTGACCGCCCTCCGGGTTGTGGCTGG
TGGCCTTCGGTGTTTCGGGTTTGGCAGTTCACTCACCAAGGTGATCTGATGGAGTGCACTTCGCACGATTC
CAAAGAAGGGAGAAGACAGAGGAGAATGCCAGATGAAGACAGAAACAGAGATTGAAGTTATGTGGCCATAA
TTCAAGGATTGCTGGCAACACCAGAAGCCAAGAGAAAGATGAGGAAGAATTCTCCCCTAGACCTTTCAGAA
GGAGCGTGGCCCAGCCAACACCCTGACTTCAGACTTCTGGCCTCCAGAACTGTGAGAATAAATTCTTACTG
TTGTAATCCAAAAAAAAAAAAA
Table3 4126
ACGCGGGATGTCTCTTGTCAGCTGTCTTTCAGAAGACCTGGTGGGGCAAGTCCGTGGGCATCATG
TTGACCGAGCTGGAGAAAGCCTTGAACTCTATCATCGACGTCTACCACAAGTATGCGGCACGTCCGAGAGG
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GCCAGGCTGTACCAAGGTCCCTGAGCCAGGCTGTACCAAGGTCCCTGAGCCAGGTTGTACCAAGGTCCCTG
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GAGCCAGGCAGCATCAAGGTCCCTGACCAAGGCTTCATCAAGTTTCCTGAGCCAGGTGCCATCAAAGTTCC
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CACCAGATGCTGGACACCCTCTTCCCATCTGTTTCTGTGTCTTAATGTCTGTAGACTTGTATCAGTACATT
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TGGAGACCTGGATTAGAGAAGTTAGTACGGGTCGGGCAGGGACTGAAATCGAGAAAGGTGTCTGGGCGCTA
TGGTTTAAAAAAAAAAAATTGGGGGCGATAAAAGGGGCGGAAAAGGTAAGGAGGGAAACGGGGATAAATAG
AGCCNNNNNNNN
Table3 4128
NCTGTTTGTATTCCCGTGTCATTCACTGATTTATTCTCCTAGCATTGCCCAAGACGAAAATTGTT
GTCCTCTGATTTAGACTAGTTATTTCCTCTTTAGGCAAAGAGGAACTGCACTTTAACATATTAAGGCATCT
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GGAATAGCATTAATATTTTCTTGCAGTTTGAGTTTAACTATCAACGGTTTCCTGGCATCTTTTGGTTGATG
TCAGACAGTAACATTTTAGATATGGCAGCCTGATTGTCACCTGCACATTTAGAGACAATTATTAGACTAGT
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GAACACACAATAACTAGTCTTATGACTTGCGGTAATGCTGAATAATACATCTGTTGTGTTACTTTCCTAAT
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GAGTTCAAGACCAGCCTGGCCAACATGGTGAAACCCCATCTCTACTAAAAATAGAAAAATTAGTCACGTGT
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AGGTTGCAGTGAGCCGAAATATCACACCTTTGCACTCCAGCCTGGGCGACAACAGCGAGGCTCTGTCTCAN
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Table3 4132
NNNCCGAGGTACATCACATTTCTCAGCTTCAGTTTATTTACTGTGGGTCGTGCAATAGAACAATC
AGAATGCACATGCCTATGCTTTATCCTAGATGTGTTACTTTAGAATTTTGGAGGTGGTAGCTGGATAAGTG
CATCGTGGAAAAGCTTCTTCAGTGTATTCTGACACACTCCTTTCATGAAGAGGCATTGACTATACCATAAA
CCCTAGAAATACGTCATTGGCAATGCTACTGTTTTAAAGGAGAGAAAGGCATCTTTTTGTTTTTGACCCAG
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GCAGCAAATAAGGTAATGCCTGTGCATATGCTCGGTCCTTTCTGTCTGTCCAAAGCTCCCCTCTTCTCCAT
TCCCCTTTTGCCTCAGTAACTCGTCTATTAAGATGTAAATCAAGAAATGCCTTCTGTCTCAGGGAAGCCCT
TACCAGAACCTCTAGGTAGAGTTAGAGGCTAACTCCACGGCACCCTAGAGTCCATAGCATGTTGTTATCAT

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GTGTGTATCGTTGCATGTAAAAATATTCCTATTTGTTACGGTTTGCTTGTATGTGTTTGTCATTAATCTAT
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TAATACTCCTTTTTCTATCTAGTAGTAAAATGAATATGAATGTACATGTCTGAGGTCTCTATAAATTAAAA
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GCATTGCTTGAGGCCAGAAGTTTGAGGCTGTAGTGTGCAATGCTCTTACCTGTGAATAGCCATGGCCCTCC
AACATGGGCAATGCAGTGAGACCCTGTCTTTTAAAAAAAANNNNNNNNNNNNN
Table3 4133
NNGCAGACAGTGACTTCGATGCTAAGAGCAGTGCGGATGATGTAATAGAAGAAACTAGAGTGAAC
TGCAGAAGGGAAAAGGTCATAGAGACCCCTGAGAATGACTTCAAGCACCACAGGAGTCGTAACCACTCTCG
TTCACCTAGTGTAGAAAGAGGGCAACAGTACGGCATGAAGAAAGAGAAAAGAGGGCTGCCGCGCTGGAAGC
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TCCAATGAAGTAAGTTCAAAAAACAGAATACCACAAGAGAAATGCATTCTTCAAACTGATGTGAAAGTAGA
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TGAACTGCAGAAGGGAAAAGGTCATAGAGACCCCTGAGAATGACTTCAAGCACCACAGGAGTCAAAACCAC
TCTCGGTCACCTAGTGAAGAAAGAGGGCACAGTACCAGGCACCACACGAAAGGATCACGAACGTCGAGAGG
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TAGGGAGAAATATTCCCAAAGAGAACAAGAAAGAGATAGACAACAAAATGATCAGAACCGACCCAGTGAGA
AAGGAGAGAAGGAAGAGAAAAGCAAGCAAAGGAAGAGCATATGAAAGTAAGGAGGAAGATTTGAAAATAAT
GATGAATACAGAGATAGAGAAAAACGAGGGGTGGTGTTCAGGCTTCAGGAAAGAATCAGGAAGAAGGGGAG
CGGGCCAATCTAGGGAAGATAATTTTGGGCAGAAGATCCCAATGTGAAATGGGGCCAGAGAAACAGGGAAC
TTTTTTTGTTTCTGGGGCACAAATCCCGGGGGGGCAGGGGGAACAAACCCGGGGGGTGTGGCAAAACNNNN
Table3 4134
ACAAAGGCCGCAGACAAGTTGTCAGCAACATTAGATAACTCAGGGAATATCATTCCCATAAATCT
TAAGGCAATCTACTTATCAGACGAATGAGTAACATACAATCAAAATGACTGGATGATGACTGGGGGGACAT
CAACATAAAGACTATGATGTGCATTCAATATTTACACGAAGAACTAGGATAAATGAAAGATGAGAGAGAGA
AAGAGAGAGAGCAAACAGTATATAATGGCTCTGTGCTCCAACAATGTGGGAACAACCTTATAAAGAATGTG
TAAGGACAGGAAGAACATATGCAAAAATGTCAGTGGTAACAGTGTTGGGTGGTGTTATTCTAAGAATGCTT
TGCGTGTGAATAGTAATGTTGTCTAGCTTAATTCTATCACCCTTGGTATTTCTGAAAACCAGGANNNNNN
Table3 4135
NNNCCGCTGNAAACGTGCCACTGCACTCCAGCCTGGGAGATAGAACGAGACTCCATCTCAAAAAA
GACAAAAAACATTAGCCGAGCGAGGTGGGGCACGCCTGTAATCCCAGCTACTCATGAGGCTGAGGCAGGAGA
ATCACTTGAACCCAGGAGGAGGAGGTTGTAGTGAGTCAAGGTTGCACCACTGCACTCCAGCCTGGGTGACA
GAGTGAGACTGTCTCAAAAAATAAGTACATAAATAATAAGTAAAAGCTACTAACAATTAAAAAATAAATAA
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AAAGCAGTTGGTCCTTGGTACGTATGAGAAGCGGATTTCATTCCCTTGAATTCTACAGAGCAGTTTATTAG
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AAACATAATGATTATGTATTTTTCTCATTTGGTCCTACAAGCTGCTGGCCCTTTGTCCCTCCACTGTGGGA
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ATTTCAGGAACCACCAGTAAGCATCTGTGACCACACAGGCTTTTTGACTGATGGCTTCCCGGATCTGGTTT
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GGTTTGGAGCAACACATCGGGGTGGGTTCCAAATCCAGCACTTGGCACCAGTCGTTCCCCGAGGCTACCCT
GGGGCGACAAAGACACGCGCGCAACAAACCCCTTATCAAGATGGCCAACCTCGCGCCTGTGCTGCGTGCGA
GCATACATATCGACCCAACCACCACGACACCAACACCACGCCACAAACCCCACAGCAGAGCGTACACCCCA
CAGCCGCCAACCACGACAACCAACACGACCACACCACCACGATCCACACCCACACACAACGAGCACCACAG
CAACCACAGGGGAGAAGCAACCAAGCGGAGCGAGAAGGCGAGACGAGCAAGCAACGCACCACACCGAAAGC
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ACACGCACAACGCCGAGACCCAGCCTCGGGCAACACAGCGAAGACCACACGACACAACCCACAGCAGCAGC
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CGAGGAGTCCAAAGGACAAGCAACAAGGCACCAGAGCCAAGCCGACACAAGCGGACGCACACGAACCAGCA
AGGCACGCAAGCAGGAAAAGGAGGGAGCGAACACCGCAGCAGCGCGCCGACAAACCCGCACGAAACGAGAG
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CGAGCAGCAAAAGAAGGAGGCAAAACGAAGGAAACACAGAAGACCGAGCAGAGCGAGCAGAGATGCCGACC
GCAC
Table3 4136
NNNNNNNNNNNNCTCAAATACCCCAGGCAAAGTTACTAACCAGCAGTCTTAGAATGAGAATGCTT
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GAGTTGAGCTTTGAGGAGAAGCAGAGTATTTCATCATGGTTCAAACCAGTATCTGAAACAAGTAGGTTTCT
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GTTAACAATCATAATTCTGAAAGTTGCTCTTTGATATCAGTATATTCTATAATGTATTATTGGCTTTTAAA
TACCTCACCCTCCTCACAGTCTGTAGGACATTTTTATTTAACTTCTTGATTTGAATCAAAGCAGCTATTAC
TTCATTAGCTCTTTTGAAGTGTTCTTGGTTGAGAAGGAACAGCAAGGCTTATAGAAGAAAGCCAACTTTTC
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ATGACATCATAGCGCAACATATGATTCATGTTTGTAGTGATACTAATGTAAACACACCTGTGCTGCCAGTC
ATAGAAGTATAGCACATACAGTTATTTACAGCGTATAATACCGTCGTGCATTGCTTAATGATGGGATGCAT
TCTGAGAAATGCCCTGTTAGGTGATGTCATTGTTGT
Table3 4141
NNAAGAGTGAGTACAGACTGTGTTGGGAACAAATGCAAGTCAGAATCTCCTTTCAGATTAGAACA
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TAAATCTACCTTATTTTACAAAGTGTGCGTGGTGTGATAACATTATTATTGTAATCGTTAGCTTGCTGCTG
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Table3 4142
gcgatggtacagtaagaaaagctccagaggggaaAAGCGAATATGTGAATTATCTAATCTCAGCC
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TTTTTGTTCCCCACCCTTGAACACCATCTCTAGGATGGAGTTGGCCTAAGAGTGAATGCTGCAAGATCTGT
GTTTATGCCTCTTTTCCTCATTCTTCCTCAGTTTGTTCGTCTGCTTGAAAGTTGGCCAAAAAATCCTGCTG
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GTGGTTTTGTCTTCCCGCTTCCCTTGACCTCAAAATCAGGATTAAAACCTGGGGTAGCCTCTGTGCTCCTT
TCTTCTATGCCCTGGTTTGTTCTGTGGTTCTGGGCTTCTTATATCCGTGTGCCCAGGGCTGAACTCCTTAT
TTTCCTTTCTCCAAGGGCAGAGCCGAGTCTTCAGTCCCTGTTGGTCTTTCCCCACCCCCACTTCCAGCCCA
AGAGCCAGGAAAGGGCTGGTGCCACACTGTCTGCTGGGATCAGCGGTGGTTCTTTGAGCTGCTGATTTGGG

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TGTTAGGCTCTTGAGCTGGGATGCAGATGTAACAGTAGCTCCAGTGAGTCAGACACTCTGCCCAGCACATT
AGACTGTGTTTGACCACTTCTTCCAGTTCATAGTATTGACTTCAGCCCAAACGGAGATAACTCCCTGTGTG
TCCTTGAGGTATTGAGCTGGGCTGGACAGCTCCCCTTGAGCCAACTCTAGGAGTACAATGTCAGGGGAaCC
CCAGTTTGTGAAAAGGACTTAGACTGGAGGATATTTGTTATCTGGGGATATGATGCGGTGGCGGCGGCGCC
TCAAGATAAGGGGCTGGGGTTTCTGGGTGGGGGGCCAACAGAGTGGTGCCAGTAACAGCCCCAGATAGAGG
AGTACGCAGGCCCAGCATGAGGCAACCTTGACCCAGAAGGTGGCCCAGCTACCCTTGATGAAGGTCTTTTC
CAGTTCTGCTCCCTCATAGCTGTGTAACCAAAGGCTCTGGTTAGAGAATATGAAGGGCCTTAGCTTTTAGA
CCTGTTCTACCTCCTCACCAAATATAATGGCAGACCCATGTGTGTCTGGAATGGCCTTGAATTGCTCTTTC
CTTAAAATAGCTAGCTCTTCAGGAGAGTATCTAAGGCCCACTCCATCTTACCTGAACCAGTTGGTAAGGGT
AACCATGACATAGAGTGAGGCAAGGAAGAAGACGAAGTGGAAGGCAGAATAGTTGTAGGAAAGATGCTGGA
CTTGGACTGGAGGAGCTGGAGGGGTTTCTTGGTCAGCTGGCCTCGCAGCCCCACCCCTTTGCCCTGGAGAG
AGGAAATGGCTGCTGGGAGCAGAGCTGCTGAAACACCTCTTCCCCTCTCCCCCAACTACCTTTGTTAAGGC
TCTTGAGGGTTCTTATGGCACTCCACAGAGATCTACCACTTCTTATGGTTCCTCACTTGGCACTCACCTTT
GTCTGCCTCCACTGTTTCAGGGCAGCAGAAACACAGTGAGGGCTTCTGCAAAACAGAACGCAGGTTTTGGA
ATGGTCTTAAAAGATGTGAGGGTGTTAATCTAGGAAACTTCCCCCGTGAAAAGATTGGTCTAGTATTAAAA
AGTGGAGGCACACCTGGGTTCAAATTCTAGCTCCAGCATATAAGTGGCTGTGCAGACTTTGGTAAGATGTT
TAATCTTTTGTGCCTCGATTTCTCCATTTGTAAAATGGAGCAAATACCTACCTCACAGGGTTGTTGTGAGG
GTacacattcacatggagaattctgtcaagacacacaaccacgcacgcacgaaacgcaaaacaacacaaac
acccaccacgccggaggagacggaagcacacaacaccaagcacgcagcaccaaggcgcgaagcacgaacca
cgacaagggagacacggacccagacacacgcgagcgcggcgcacagcacacaggcgcacgacgggacaaac
accgagcaggcagagggagcaccgagagaaagacagagagagcggaccaacaaagggagcagaaggcgtag
ggaacagggcgaacggacgacccaaccagccggagccggagtggagcacgcgtcggaagaagtataacaca
ccgcagagccagacacccgcacaccacgac
Table3 4143
GTATACTATTTGTATACTATTGCCATCTGCTGATGTCGATATAGAACTACAAATATGTAATCCAA
ATGGGAAGATTTCACCTCACAGGGTTAAGAGCAGCACACTCATAACTTGGAAAATAGTTGAGATTTTATTT
TCAAAAGTAATTATTATAAAAAAATCCTTAGTGGATGAAGTTTAAAAAAACCTCTACAATGTTTGCAAGAA
TTTGTGTGCTCCATCCATCCTACATAACATAGAAGTTGGATTACTCATCTTGATTCAATGTACCATTGGTG
GCCAATTGATTTGATGGTAAGGGAGGGATTCGTTGACCTCGTCTGTTATGTAAAGGATGCCTAGGGATGGG
AGGGCGATGAGGACTAGGATGATGGCG
Table3 4145
NNNNAGAACAAGAAGGTACCACTTTGTATAATATTCAAAATCTATACAGCACATTGCTAAGCAGA
GTATACACTCAAGAAATGTAGAATTGGTAATATTATACTAGAAAATGAACTTCCAGTATTGCTATTATTTT
ACTAATTTGCATAGGCACTGACCTCTGAAGAGGGAACACGTATGTAGAAGTGCCTTTGAGATAGGAAATTG
TGAGAGTCCCTAACTTTTACATACATATTAGATTAATTTGAGCCTACATAAAAAGAAAACAAATTTGTGAG
GATTTGAGGGGGGAAAATCAGGGGACTTCCTGTTTGCAGCTCTTATCATTGGGAGAACAGTAAATTAGATC
TAGACTAATATATTTGGTCTCTCTAATTTATGGCAATTTTGTTAACTTTGTCATTGAGTGGAATGCTGAAC
AAANTTTCTATGGNCAN
Table3 4146
CTGTTTTGGGGAAAAAAAATCACATTCCATTTTTTTTTCCCCATGATATGGATAATAAAGGCTGG
ATGTCTCTGACCTAGGGTGACTGCAGTCTCAATTTACATCTTATGTCCGGACGTCCCATTCAATGTCGCAT
TCATTCCAGACAAAAGCGTCCCAGTTTAGATGACAGATTATATGACTGCCCTTTTTTGTCCTCAAGGTATG
ATCCAAAGGGAAGCATCTTTCTCTGCCATTGCTGTTTCCCACGCGGGCCAACTGCTCAAATGTTCAAGTGG
AGTCACGGCTCGGTTATCCAATCTGGCTCCAAAGATGTCCTTTTTGGCGAGATCAATTCCAGAAACAACTT
TTACT
Table3 4147
ACGCGGGGCTGCAGCGGGAGCTCCAGGTTTATCCTCAGTGTTCTGTGTCCTGTGCTTATAGAGGC
CCGTCCTCTGTGGCCGTGTGACCTGCAAGTATTGGGAGAGCCACAGCTAAACCCCGGGACCCCTGGAAGCC
TAGAAATGTTATGAGTTCTCATTTTGTCCAAGACCTTTGGCCAGAGAACATACAAAATTCTTTCCAAATAG
GGATGCTGAGAAGATATGAAGAATGCAGACATGACAATTTACAGTTAAAAAAAGGCTGTAAAAGCGTGGGT
GAGCATAAGGTGCACAAAGGAGGTTATAATGGACTTAACCAATGTTTGGCAACtacCcagaAAGAAATATt
Table3 4148
GCTGAATTGTTTCTGACTACCATTATGCAAGTAGGGGGGGAGATACATATACAGGAGTTTCTGAG
TGTTCTTTCCTAAAACTTGTGCACATTATGTTTGTATTTGAAATAGAGGCAGTGTTTAGAATGAACGTGGC
TGTGCTATACTTCTTGATTTCAGTGTTACAACAAAGATTAGATTAAAGGAACAACAAACAGCATGTTACAA
GAAGCATTCCAATTTTCCAGTAAGAACTGAGTCATGCAAGAGAGACCATACAGGTTCCACAATTAATCTAA
TGCAAATTTTAAAAGAATATAGGACTCCCAGACATGAAGAAACTTGAGCCACAGATTTAGTCCAATGACTT
CAGAAATATTTCCANNNNNN
Table3 4150
NNNNACCCAAACAGAGTGGGGGAGTTTTCCAAGAGAAGAGAACAGCATGTACCAAGGTCCTAAAG
CCTTCAATTCTTCGAAAGGAATTAGAAAGAAGGCCAGTTTGGCTTCAATGTGTAACCATGAGGGAAAGAGG
CAGGAGGAAGAGATCAGGCAGGCCCTGGTAGGCCATGTTAGATGAGTGTAGTTTTTATTTTAAGTGCAGTG
GAAAGCCAGATAAGGGTTTTTTTGTTTTTGTTTTTGTTTTTATTTTGAGACGGAGTATTTCTCTTTCGCCC
AACCTGTAN

Table 6
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Table3 4151
CGCGGTGGCGGCCGCCCGGCAGGTACATGGTTCTTCCTCAGAAAGTGGTTCTTCCTTAATGTGTT
TCTTTTTACCCCTTTTCTTCTTCTTCTTCACAGATGTTTCTTCTTCTTCTGCCACTTTTTCTTCTTCCTCT
TCTTCAACTGAATAGGGTAAGTGTAAAGGCACAACAAATTAACACTGTATCAGATCTCATTCCTTCCAAAA
ACGTTTGAGTCCTAGTTTTTTTTCTGTCATTCTCATCAACTACCCAATGTTTGTTTTGTTTATTTTATAATT
GGGAAGGTTCTCCAAGGCCTACCACTAACTTTAACGAATGATATAGATAGAGCTCAGAGCAATCTTCTCAC
GATCATGAAGTCATGTATAAAAATCAGGATTAAAACAAAGGTCATCTGATCTCCAATCATTATTGGGAAGA
AAGTCAATTATATTAGAAATGGTTAAGAGCTTGCACTCTGAAGTCAGACGGCCTGGGTTTAATCTACCTGC
TGCAACCCTGAAAAATTGTATTTACCCTTGGTGAAGCTCCCTATCTATAAAACTTAAGAATGTCTTATCTT
ACTGGACTGTTACTGATTTAAAAAGATGATGCATAGAAAGCACTAAGTATAATGCTTAGCACACATTACAA
TAAGGACTCAACACATAGCTATCATTAGACATTCAGTGACCAGCTGGGTGCAGTGGCTCACGCCTGTAATC
TCAGCACTTTGGGAGGCTGAGGCGGGAGGATCACTTGAGGTCAGGATATCAAGACCAGCCTGGCCAACATG
GTGAAATCCTGTATCTAATAAAAATACAAAAAAGTTAGCTAGGCATGGTGGTGCATGCCTGTAATCCCAGT
TATTCAGGAGGCTGAAGCACGAGAATTGCTTGAACCCAGGAGGCGGAGGCTGCAGTCAGCCAAGATCACGC
CACTGCACTTCAGCCTGGGCGACAGAGGGAGACTCTGTCTCANNNNNNNNNNNNNNNNNNNNNNNNNNNN

Table3 4152
ACGCGGGGGTGGGGGGGACTACAGGTGCCCGCCACCATGCCTGGCTAATTTTTTATATTTTTTAG
TAGAGACAGTGTTTCACCGTGTTAGTCAGGATGGTCTCGATCTTCTGACATCGTGATCCACCCGCCTCGGC
CTCCCAAAGTGCTAGGATTACAGGCGTGAGTCACTGCACTCAGTCAGGTTTTCAGGTGCTGGTTCCATGGC
TCTTCCTGAGCCGAAAATAAGGAAACTCCATAGACCTTGTCCACTGGAACTCGTTCCCATCTACCCTCCAC
TCTATCCAGGGTGATGGATCTCTGCAGTAAGTGGAAGAGTTCTTCATGGCCCCCAAGGTTATATCCATCTA
GAACTTCAGCACGTTATTTCATCTGGAAATAGTGCCCNNNN

Table3 4154
CTGTCGTTGTTGCTGTTTGTTGGGTTTGCTTGTGTGCTTTTGTCCTGTAACTACTCAATAAATAA
CACAAAAGATAAAAGGCTTTGAGAACCTTAACTTTTTTTTCTATTGGCTTGGGGTGTAAATCCACTGCAAC
AACTATTACTACTTGAAAAGATATGCTAGAGTAAATAGAACAATACAGTTAAATTCACCTGAAGTCTTTAA
AATCTTTTTTTTTTCCGGGTATTTTTAACCCATGTGGCAAAAAGGCATTACCATACAATTTTAGCTGTTGG
TAACAAATTATCTCTTTTACATTGCTTTCCCAACTAATTCTGCATAGCACTTTCATATTTTACTAGAATAG
TATTATGACTAGAAGTGAATGATTAGCATAAAAATTCTCTAAACTATTAATGAATAATTTACATAGCAATT
TTTAAAAGGTAATTCATAATTGTCCAAACATCACTCTCAGTTTCCTAAAGGAGATTACTTGTGAAAACACT
CATTTGTCAGTTTTAAAGTGGAACTCATCCTATATTTCTCTTTGCAATTTACTCTTCAAATTAAACTACAT
CTTAGTGTATATCCATGCTAAGTTTCTTGAGCNN

Table3 4159
TTACTTGTTTCACTAACATACATAGGGTGTCATTTCTCATCGCTTTCAACCTTTTTCTGGTTTTA
GTTTTCAAAAATTTGACTATGAATGTGTCTTGCTGTAGTTTTCTTTGGATTCAGCCAGCTTATTGAATCTG
TAGGTTTATTTCTTTTGCCAAATTCAGAAAATTTTCAACCATTAGTTCTTCAAGTACTTTTCTTTTCAGTC
CTACCCACTTTCTATTCCCCTGGGACTCCAATGAAATAAATGTTAGATCTTTTGTTACTGTTCCAAATGCC
CCTGAAGCTCTGTTTGTTGGTTGGTTGGTTTTCTTCCCCCAGTTGATTTTCTCTCTATTGTTCTTATTGGG
TAATTTCTATTTTCAGGTCCACTGATTCTCTCCTCTCCCCACTCCCTTCTGCTGTTGAATCCATCTACTAA
GCTTTTTGTTTTGGCTACTGTATTTTTCAGTTGAAAATTTTCTACTTTTTTTTAAATCATCTATGGCGTTGC
TGAGACTTTTCTATTTTTGGCTGAAACATTCTAATTTTCTACTTGGCTTAAGCATGGTATAACTGCTTGCT
GAAGTAATTTTATGATACCCGCGTTAATTAATTCTAGAAGTACCCCGANNNNNNNNNNNN

Table3 4161
aaattttggaagtttttttttttaaaaagtttaacgggcgccctttTTTTTTTTTTTTTttga
GGTTTTATTATTTTTATTTATTTTTGAGACTGAGTCTTGCTCTGTCATCAGGCTGGAGTGCAGTGGCTCAC
TGCAACCTCCGCCTCCCAGGTTCAAGCAATTCTCCTGCCTCAGCCTCCCTAGTAGCTGGGATTACAGGTGT
CCACCACCATGCCCAATTAATTTTTGTATTTTTGGTACAGACAGGGTTTCACCATGTTGGCCAGGATGGTC
TCGATCTCGTTGACCTTGTGATCCGCCTGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACC
GCCCCTGGACTACTTATGGAGGTTTTAAAAAATCTTTTAAGTCCAGGCCTGACGTTTAGAGAAGGTTACAA
AGGCGGCCAGGATCTGAGTATTTCCAAAAAGCTCTGGAGGCAGCATTGAGGTTTCCTTCCAGTTGAATCAC
TGACTTTAGGTCGACTGGGGTACTTTGGGTTTTTTGGGCCATTTTTTTGGGGGTGTGGGAAGCTTTTCTCAC
AGATTTACTAGGAGTGGTGAAAAACTTGGCCTCTGGCTTTTTTGGAGTCTGTCTCGCATCTTTTTTCCCCA
GCGAAGGACTTTTTTCCTTCACTGCCTCTTCTTTGATTTTTGGCTTCTTCTCTGGGCTTTTCCCTGGGGTC
TCAGACTCTGCAGCTTTTGGGGTCTCAGATGCTGGCAAAGCCTTTCTTTTCTTCCCACGAGGTGTGCTGGG
ATTAGGACTCTTTGCTGGAGACTTCTTTCCTGTGGCATGTTTTTGAATCTCTACTTTTTCATTAGCTGGAG
TCTTCTTTCCTATTGGTACCAGCTGTGGGATTTCGTCTTCGGATTCATTTGTTGCTTTAACTTGGGCTTTT
CCTCTGCCACGTTTTTTCTTCCCATGCTCTGGGGTCTGTTCCTTCTTTGATTCAGGTTTCTTCACTGTAGT
ATCACCACTTTCAGGTGCCACATCATCTTTACTAAGAACTGATGCAGTCTTCCTAGCCTGCTGCCTCTTCT
TCTTCCTCTCCTTTTGTTTTTCAAAATTTCTTTCTCTTCGTTTTCTCCTTGCCTCTTTTTTCTTCTTATTA
AGCAAAGATCTTTTGGTGGCTTCATCCCAATTGCTGACAAACGAGGAAAAGATGGGAAGTGCAGCCGATTT
CTCAGTTTTCACAAACAGGAGTTTCACGCTCTCCCACTTCTCTGGCAATTTTTCTGAAAGTCCTTTGGTGA
CAGCAACAATGTTTTCAATGATGTGCTCAATTTGCATTCCAACGTGACCAATACGTATAGCACTGCAAGAA
CCACTTTTAGAAATGTTTAAGACTGTTCCACCTATACAGTCATTGATCTCTCTTGATAAATTCTTGGACAG
AAGGTTTACAGATACTGGAACTTTCTTTCTTTGATAGAAATGTCTCCCAATGAGTGAGGGTAAGAGCCGCC

Table 6
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TAATTCTGGCATCAGTAAGGAAGAAATCAAAACTGCTCAGAAGGCGGAGCTTGGCTTCATAGGATTTATAT
TCCTTCTTTAGAGTTTGGAGGGAGATAATCTGAGAAACGGTTTTAATTCCATGCTTGTTTAAAAGCTTTCT
ATAAAACTGTTCTGTCTTTTCAGGAGTTGAATTGGGTTCATCCTTCGTAAATAAACAGATATCTTCTGAAT
CTGATCGAATACTATGAGGCAAGGTCAATCTGACCCTCAGTTCTTTACTTGGAATTTTCCATAATACCACC
ATTAAAAATAAACTTTCATTCTCATTCAAAAGCAACCCATAATTGTTTTTCCTGGACTTGCAATGCGTCAA
GAGAGCGTCCACTGCCTTTCTAACCTGTTCTTTATCCAGCTGCTTCCGTGCTGTCGGGGCCGCTGGAGTCG
AGGTGGAGGTTCCAGTAGCGGCTGCAGAAGACAGCGAGGCCGAGGCCGAATCCTCCATCTTGTTTCCACCT
CGTGAAGAGGCGCGTGTGCAACCCCACTGCTGGCTTCTGGTGCGCACCCACGCGTCcgCGGACGCGTGGGT
CGACTCCct
Table3 4162
NNNNNNGATGCTCTATATGTTAAGTAGTAGGAGAAAGATATTAAAAAGATGTCTGTCCCCAGTAA
ATTTCTAATCTAGCAATCGAGGCAAGTGAAAGAAATACTAGGAAACCACCAGGTAATGCATCTGCAAAAGC
TAAAATGACATTGCACCTACTGTGGCAGCTAAGAGGGATTAGGAGAGGAAAGACACACGCTTTGATATAGG
ATTATCAAATTTTCTTTCTTGGGAATTTTCTTGACAGGCTTCATGGAAAGGCAGGGCATAAGGTGGGCTTT
GGTAGAGAGCAAATTTGTGAGTTTCAGGAAACAGTATTTCAGCTGGGTAACAAGAGCCCAGACTCATGGAA
ATGGCTGAAAGTGTTGCTCTGAAAGGGAAGAGAAGGGAAGCAGGGATCCTTCTGCCCATGCCTAGAGACCT
GGCTTATCCTTGCATGAGTGCAGGCACATGGTGAACCACTCAGTGTGACTTCACGGTCAAGCAAGAGAGTG
CCTTCAGGTGGGATTTGCTTCACTCTGACATTACCAGCAGTACAGGCTGATGTCAGTGTCCCTGTGCATAA
GGTTCCTTGTGACACCATTACAGAGTCCTAAGCCTCCATTAGTCACTTGAGGCACTTCTAAGTACAACAGT
TTTTTAAAAGATTTCACTGACATTTGCAACAATTTTTTTCTAATTTCTTTTGGTGCCATTTTAGTAACTTA
ACAATTGCTTTAATAGACAAAACTCAATCATGCATGATCAATCACAGGTGAGAAAATAGAGGCGTGCTTAC
TAATGGCAGCAAAAGGCTTCTGTGGGGGTGTGCGGGATGGAACAGCTAGCTAGCTAGAAAGGGGCTTCTTT
ATAGAGGGACTCCAGTGTCAGGCAGGGGCACTGAAATCTAGGGGTCACCAAGGGCCACAGCACAGGGGACT
GAGGGAGAATCCAGTGGCTGGAACTCTCCTCACCAGTCACCTGCCTTCATTGTTAAACCTCACAGTATTTT
CAGGCCACCATGCCACAAAGGAAAATGTACTGGGTAGAGGCAGGAGGCCCGCGTTAATTAATTCTAGAAGA
CTTCCGANNNNNNNNNNN
Table3 4166
GGCGGCCGAGGTACTAAAATTGTGTTGGGAGCAGGGATTTGGAAATTTCTGAGAGATGTGTAGTT
AATTTAGTAATTCTGTTTCATGAGATATGATCTGTTATGCTAGTGGTTTAATAGGCTTGCTATGTAAGTAG
AACGTGGCTCAACTAGATATCTTTATATGTATGGGCATTACTCTTAGTGATATTTGTTTCCTGTCCTTTGT
TGCTCATGCTGTTTAAGTGCAGGCCGAGACCCAGCCTCTTTGTAAGTACCAAAATGATGCAAGAATGATAA
GTAAATGTGTAAATAATTTGCAGAGGAGCGTTTTAGGGTAGGAATGGCGATTGCTAAAAGGTAAATTTAAT
AAAAAGGTGCTTCCTTTCCTCAAATAGTTTCGCACCCCTCATCGGATCATN
Table3 4168
GTAGAGACAGGGTTTCACCATGTTAGCCAGGATGGTCTGGATCTCCTCTGACCTCATGATCCACC
CACCTCAGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCGCGCCTGGCCGGGTCAGGCTCTTTCTA
ATCTGTTTAAAACCATATCACCCAGAAGGTATTCAGTATATACTTATTTAAATGAATTGAAAGTCATATGA
GCAGCATGGACTTACTACTTTAAAAACCACATTATTAGAAACCTAACACCTTGGAAGCTCTGCATATTCTG
AATGAAGAATATACTAAACCACTCAGAGGGAAATAGTTATTAACCATTTTACCACAGACGACTAAACAACT
ACCATGGCCCTTCCCTTGTTTCAGCTGGTCTGGGTCTTAAAAAGACTTTGGAAAACCCAATCTACCCTCCT
CTAGCAGCAAATCAATTCCCACAGTCAGCCAGGAGGTTCTAACCACTGCCCTACCTCTTTCACCAAGGAAC
AAGCCCTAGATTTTTGCTGTTTCTAAAAATATGCAGCTTTTAAATATATCCATCATTTCGGTGCTCTCTAC
TGCAGAGCTTAATAAAAGCAAAGCCACTGAAATTCAGGAGATGCCACAGCTCAAAGT
Table3 4169
atagggcgattggAGCTCCACCGCGGTGGTGACCTAAGTGTATATTTATCCAAACATCTAATTTA
TTCCAGCTTTAGATCttcTcGCATCTGAGTTATTAAAATACACATTTAATTTACAATACCTACTAGTATTT
ATCAAAAATTTACTGAAATTATTCATGGTATTTGGGGGGAAACACTATCTAAAAAGGACCCATGATTGATT
ATTTATTTATTTATTTATTTAGTGCACTTGATTTTGCAGATGAGTCTGGAAGTGTTAGTTGCAAAGATATG
CATTTACTTCTCTGGCTACAAAAAAGAATAGAAATGCACAAAGCAGAGCAGTGTGAAGAAGAAGAGGCGAT
GACCCCTAGACCGACCAAAGCCCGTGCTCCACTGCCCAGTGCCTATGTCCCACCACTGTCGCTGCCACCCT
GCCCGAGAGAAAGGCTGAAGGGGATGCTAAAGGAGATAAAACCAAGGTTAAGTAGGAACTGCAGAGAAGAT
CCACAAGGTTGTCTGCTAAACCTGCTCCTCCAAAGCCACAGCCGAAGCCCAGAAAGGCCTCTGCAAAGAAG
AGAGAGAAGGT
Table3 4170
ACGTGAAAGCGCTTTGAAGATCACAAACCCATTTAGAAATAGGTGGGTTGCTCTTCCTCAAATCT
TTGAAAGCTGTCTACTACTATAAATTCATTCATTCATATCTTTCCCTCATTCCTTTCAGTTTTTTAAAAAT
GTATTCTATCCAACTTACATGTAAGCACTTTGCAAACACTCACTCATTTACTATGAATAACAATCCTACTA
TATTCACAATTATCATTTCCCCGCTTTACAGAAGAGGAAACTGAGGCACAGAGATTAGACAGTGTAGGCAG
GATTCAAACTCAGGTGGTCTGGCTCTACTGTCCTTGCTCTTAACCTAGGCCCACCTACAGTTATCCAGGTT
TCTGTTTACTAATCCTCAGCCATCTTCCTCTGATCAGAATCAACATA
Table3 4171
GCCGCTTTTTTTTTTTTTTTTTAGGTATTATAAGGCAAATTTGACTGGTATGTGATATGTCATAG
TGTATATGCTCCATACTTTTAGTCTTTTTCATGTTTCTATACTTTTTTGTCTATGAGTCAGATATTTATTT
CAATGACAAATATTTTCTCTAAAATAAGATATACTCAAATAATTCTTTCCAAAGATATCACTATCATGCTA

Table 6
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ACAGAATATCTGATTCATTTATTGTTTCTTTCAAATTTTATCCAGCAGTTTAGTATCATGTTGTCATTTAT
AAGATATGTGTAAATATATTATGTTTAAGATTTTATAGAAATTCTAGTTGACTGAAATGTTTTGAAAATCG
CCTTTTATCTAAGAAATTCAAATGCATCACAGTCATTCACATTAGGGCTCTGGAAGATAATAAAGCGGGCC
TAAAATAGAAGGCTTTTATGTATTTTGCTCTCGTCTTTATATTTTATATCTCATAGAGGACAAGAGGGAAC
AACAAAGCCATAGAATTTTTTTAAACTTTTGTTTTTTTTCTTTTCGTTTTGGTTCAACATTTCTTATCTGC
TTTCTGTCATAGGAAGAACACATTGAGTGTAGTATTGGTAGGATCCTTCAGCACCCTGCTTCTGTTATGCA
AGCTCAATGGGAAAATTCCTCTCTCCCCGCCCCTTGGCAGACAGAGCTCATGATGGTAGAGTTTTGAATGA
AGATGTGGTATGCTCTGGTAATGAGCATCCAACTGCTGTGTGGAATGTTAGTGTCTTGGCGAGAATGTTCA
TAATACCTAACTTCCAGAATCCCTTTGGGCCTCACACATTTTCCAGAACTACCTCCCACCAATGTGCGGAC
TTTTTATTCTACCGGTAATTTCCTTTCTTGCTTGTGACAGCCAGTTGTTTCTGCCGCTTGCCCCAAGGGCC
CTATGATCATCAACCTGCACCTGTGAGAAGCCTGCTAATGCAGCATTTTGGAAATTTGAATGACTTGCTTT
GGGTAGGTCATATATCTAGCTCATTCTTGATGGAATGAAGAATCCCGCGT

Table3 4173

ACAAACTCTGTTTAGATAAAGAATTAAACAAAACTTCCATTTTTATTAATAATTCAAGTATAATC
CATAATATGATTATTAGGTGTTATAACTAATAAGTTGTTATTTTATATCTTAATGTAGGTAAAGAGAACTG
GTCTTGTGGTGGTGAAAAACATGAAAATTGTTGGTCTCCACTGTTCTAGTGAAGATTTACATGCCGGGCAG
ATTGCTCTTATTAAACATGGGTCAAGGCTGAAAAACTGTGATCTTTATTTTTCCAGAAAACCATGTTCTGC
TTGTTTGAAAATGATTGTAAATGGTAAGTGCAGAAAAGGGTTTGTTGGGGATTAAGAGTATTTATCTGGGA
TGGGCGTGGGGGTTTATGCCTGTCATCCCAGCACTTT

Table3 4174

ACACCAAAGTCTTTATCTGACAGGAGCTGAGCCAGCGATTTTTCAAGGCAAGACAGTGACCAGCT
GAACTCCTGAGATAATGAGTATATCATTTCTCCTTGGCAAAGGTTATGGAATTAAAGAGAATAAATAACTT
AGTTCATACTTCCTCCCTCAAAGTTAAAAGATATTCCCTTTGCAGCGAAAAATGGAGCTTTGAGGCTCCTT
CGAGAAACGCTCCTTGGGGTTGTAGAAAGGAGGAAGAGGTTAGCATGATTTTAAAGCAACTGGCATCTCTG
CAGCTAACCAAGTTGGAGACATTAGGGCTTCTTGTGGCCATTAACTTTTGTGTATCTCACATCTCCTTCAG
AACTTACGCTGGAAAAACTCCAACAGCTTCATATGGACAGATGGACTTCAAATGCTGTTTGTATTCCAGAG
ACTAGGTAAGGACCAGAGCAAGGTCAGGCCTCTCTCAGGTCCCACATGTGTCTCTGTCAGTGAGGGCCTTG
ATGCTGGCTTCCCAGACCTGTCCCAGCTGGCTTGGGATGG

Table3 4176

ACCCTGCACACACTAGGTTCTCAAGAAATATTCATGTAATAAGTGAATAATTGAATGAATGAATG
ACTAAGTGAAACTTCTCTTTACAACAAGCAAATGTAATAGCCCTTTCTAAGCTCTCATCATCCTCATTGTC
CTTGGTGGATTCCCACCACACTCAGAATTCCTTTTCACCTTTCCATGCATATGAGGCCCCACCTAATCAGG
TGCTGGTCTTCTTAGCTTTCTGTCTCCTACCACTTTTTGTCTTGCTTCGGGAACTCCACTGTCTTTTCTGT
TATAGGAACATGCTAAGGTTATTCTTCATAGTCAAGAGCACAAGCTCTGAACCCAGCCAAATCTGTTTTTG
AACTCAAGTTCCACTTATTGCTAGCTGTGTGATATTGGGAAATTCTTTATGTTCTGTAACCCTCACCTCCC
TCATGTGTAAAATGGAAGTAATGATGGTACCTGTCTCATATGTGGCAACTACGTGGGGCAGCACACTCAAG
GAATGAAGGAAGTTTCAGTGAATGACAACTTTATAAAGACAGTGTTGAGGCAGCCCAGTGCAGCGGTTTGG
GAGCCAGGAACAGCGTGTGGGCCGGAGTGTGGCTGCAGGACAGGAGGTCAAAAATAAGGGTTGAGGGTGGA
ATAGGAAGACCCCGGAACGTCATCCTGGGAGCTTGAGATTTTATTCTACATTTCTCTTGTTCTTAACTATT
TAGGGTGATGGATCTCTGCAGTAAGTGGAAGAGTTCTTCATGGCCCCCAAGGTTATATCCATCTAGAACTT
CAGCACGTAATTTCATCTGGAAATAGTGCCTTTGCGGATATAAGTTAGGTAAAACTGAAGATGAGATCATA
CTGGATTAGGATGGGATCTAAATCCAATGAAAATGTCTCCATAAAAAACAGGAAAGAACCCATAGAAACAC
AAGGAAGAAGGTCATGTGAAGATGGAGGCAGAGATTGGAGGGATGCAGCCACCGGCCCAGGAATGCCAGCA
GCCACCCAGAAGCTGGAAGGAAATGAGGGATTCTCTCCTAGAACCTTTAGAGAGAACATGGTCCTGTGAAC
AGCTTGATTTTGGACTTGCCCATAGCTTGTATACTCTTACTTTGGATACAATTTTATCCAAACTTGGCTAA
ACAGTTTCTCAGCTATGGAAAATTTAAAATGGAGAAGATTCAACTCGATTTTTACAGATCAAAAGCAAGAA
AATGANNNNN

Table3 4177

NNNNNNCAATCTGGAAAGAACTTTATTATTTCTCATAAAAGCTTAGGGGCAACATTAAGTACATT
TTCAAAAAAATCTTGAGAGCACAGACTCATAATTTTGAAGCTCAAATAAGACTTCAGAGGTATATAAAGAG
CACTGGACTAAGAGTCAAGATACCTTGGCTCAAGGTACAACTTTGCTATTTATTAGCTGGTCCTTGACATG
ACCAGGTTAGCAAGGTAGAAAGATTACAAAGGTTGGCATGAAGAAGGTAGGCTTGTATGAGTGATGGTGGA
TGATAACAAATCTGGGGAAATGAAATGAACTACAGACAGGACACATGCGATGTGCTTCAGAGTATGCAGCT
TTTCCAATCAAGGAAAGCTTCGTGCAGGAGGCCAAACAGAACCTGAACGCTGCAGTATGACCTCAGGGACT
CACATCACTTTCTGAAATATCTAACAAAAATCGCATTTCTGCTGTTGCACTCTGAATTCCTAGAACTTGTG
CGTGAACCATTTCACTGCATTCATTTTCCCCATGTTATTCTTTAACCAGCCTTCTTTCTTGATCACATTCC
TAGATCTGAGATGTTTTCCTTTCAGTCTTTTCGGCATAAGACCTAATTACATAGCTAGTTGTCCAGTAATG
TCTGGGAAGAGAAAAACCTTAAGTTTGTCATCTCTCAGTAGGACACCCCGGCTAAAGCCTTCTGGACACAG
CAAGGATATTGTCTTCTCTCTCTTATAATCCTGTTGTATCTTCCACACATAGCATAATCAGCTATAAAGTT
TTCCAATTCTTCAAAATAATTACTACCACATTTCTCTGAGATTTTCCAAGATTTCCTCAAAATTGGGAAAG
TATTGATTCAGCTCAGTATTGATTCAGTCTAGTATTGATTCAGCTTCACTTATCACTTTCAGTGGATGGGT
GGTCTTCACATGT

Table3 4178

ACGTAACAGGACATCAATAAATATTAGTTGAATGGAAGATTAAATCAACAAAATGGGTGATGGAT

Table 6
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CTCTGCAGTAAGTGGAAGAGTTCTTCATGGCCCCCAAGGTTATATCCATCTAGAACTTCAGCACGTAATTT
CATCTGGAAATAGTGCCTTTGCGGATATAAGTTAGGTAAAACTGAAGATGAGATCATACTGGATTAGGATG
GGATCTAAGTCCAATGAAAATGTCTTCATAAAAAACAGGAAAGAACCCATAGAAACACAAGGAAGAAGGTC
ATGTGAAGATGGAGGCAGAGATTGGAGGGATGCAGCCACCGGCCCAGGAATGCCAGCAGCCACCCAGAAGC
TGGAAGGAAATGAGGGATTCTCTCCTAGAACCTTTAGAGAGAACATGGTCCTGTGAACAGCTTGATTTTGG
ACTTGCCCATAGCTTGTATACTCTTACTTTGGATACAATTTTATCCAAACTTGGCTAAACAGTTTCTCAGC
CTATGGAAAATTTAAAATGGAGAAGATTCAACTCGATTCTTACAGATTCAAAGCAAGAAAATGATGGGAAC
ATAGGAGGAGACCAAGAAAGCCTATAAAAAGCAAAAATATGAAGTGAACATTGTGGTAGCTTTAAGATGTT
TAGTGTAGCTGCAGGCACCCTATACACATGAAAACCCCCAAGGGGAATCCCCATATCACAGTGTAGTGTGA
TATTTGACATTCGTGATCATCTAGAGATGTACAGAAAAGGTGAATCTGTGTTCTGTATATTCTGCCTAAGG
CAAAGAAATGTTTAGCTCTCTTTAAAATAGTTCCATAATTTTTTCTAAAAAGCTTTGCTTGAAAACTGTAA
GCTTCCCATATCTGGAGCATTTCACTTTAAATATTTGGATAAATATGTTATCTTCTTACTTGGACATTTCA
TGTGTTTAGGGATTGTCTTCTAAATTCTTCCTAATTCATATAGCTGCTAACACTTCCCGCAGAGCTAAACC
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CTCATTTAATCTTTCAGCATTTACAGTTTCAAGAGTTTGTGTCACAATTAGAAGAATTCAGCTGCACCTCC
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TAAGACATTTTCAGAGCCCCACTTTAGAAGGTGTGAACTGGCTAGATAATGAACCCCAGGGCTAACGCTGC
TATAGCAGTGGGAAGGAGGTGATGGGTTTTCAGTTTGGACCTCAAACATCAATACCCTCCTGGTACCTCGG
CCGGCCCCGCGGGGGAGCTCAATTGCCCTATAGTAGN
Table3 4179
NNNNNCCTGTGTGTAAAACGAACGGACCAGTAGCCTGGCGCCTACGGTCTTCCTNNNNNNNNNNN
NNNNNNNNNNNNNNNNNGCCAAAAANTGTTTGTACCTCTGGGCCATATTGCAGAACCCTGCCCTTCTTTGTT
GACTGAGGAAAGCTCGCTCCCTGCCCAGGTTTTTCATTGTTGATCGAAATTAACACCAGGTGGTGAATAGA
GCCCCTCCTAAGGTTGCTCAGGATAAATCATTTATTAAATAGGTCTGCTTATCAGGAGGGGCGTGAAGGCT
CCCAAAAGGAAATGCTGGCACCTGGGCCCAGAAGCCAGGGCCTCTAACTCCTGGGGTTGATTTCTTCAGTG
AAGTTGCACCCTACAAAGGGAATATGGCCAAAGCGGCACTCAACTGAAGGCTGATATCAGGCGATTAGACA
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TTGATTTTGATGCAGGAGTGAACAAAAGCTATCTCTACTTGTCTCCTAGTGGAAATTCATCTCCACCCGGA
TCACCTACTCTTCAGAAATTTGGTCTGCTGAGAACAGACCCAGTCCCTGAGGAAGGAGAAGATGTTGCTGC
CACGATCAGTGCCACAGAGACCCTCTCGGAAGAGGAGCAGGAAGAGCTAAGAAGAGAACTTGCAAAGGTAG
AAGAAGAAATCCAGACTCTGTCTCAAGTGTTAGCAGCAAAAGAGAAGCATCTAGCAGAGATCAAGCGGAAA
CTTGGAATCAATTCTCTACAGGAACTAAAACAGAACATTGCCAAAGGGTGGCAAGACGTGACAGCAACATC
TGCTTACAAGAAGACATCTGAAACCTTATCCCAGGCTGGACAGAAGGCCTCAGCTGCTTTTTTGTCTGTTG
GCTCAGTCATCACCAAAAAGCTGGAAGGTGTAAAAAACTCCCCAACTTTTAAATCATTTGAAGAAAAGGTC
GAAAACTTAAAGTCTAAAGTAGGGGGAACCAAGCCTGCTGGTGGTGATTTGGAGAAGTCTTGAATTCGGCT
GCAAATGCTAGTGCCACCACCACGGAGCCTCTTCCAGAAAAGACACAGGAGAGCCTGTGAGATTCCTACCT
TGTGGTCTGCTACCCACTGCCAGATGCTTGCAAGCGAGGTCCAAGCCCATCTTGTCAGCATGCCATTGCCT
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CATAGTGGTTTTCCTGCTTTACAAAATTGGCTCAGATCTGGAATGCCAGTTTGACCTTGGTCTTCTATAAT
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TCCTGGTCATTCACAGTGGCGTTGTTTCTTTACCCCCAGGGGAGAACTCTTACTCCACACAATTTGGGTAG
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TTCAACCCGGGGGGGGGCGCAATATATTAACGCGGGGGCGCGCCGGTGGTTTCCTAACTACCGCGGGGACC
AACCCGCCTGGGGACGGCCGGCGACGGAACAATTGGTGCTAN
Table3 4183
NNNNAGTTGGAAAAAGCACATTTTTTTCCTCCACATTTAAAAATGACTAGAAGGTGAGAGAGAAA
GAGAGAAAGCTCACCTGCAGCCGGTGAAGTCACGCTTTTGCATTCCGTTTGTAGGACAAGTTGTCAGTGTG
CGATGATTTCCATAGGCTTTGAAATGGGGTAGCAGTTTAAACATATCAAATGCTTAATGAAGTGAGGCCCC
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CTGGTACACGCAGTCCTAATCCGTTAAATATTTCTAGCTAACAATGCACGTGGGGCTCTTCAGCTCTGCAT
ACAGTCATGTTCTGCTAAGTCCATGCAAATATAACCACTTCTGCCTGCTTTTTTGAGGGAGGGATCAGTAA
TGCCTACATGGTTTTACCCAAATCCCTCATGCGACATACAAGGCTCTTGGCATATCTTAAGCCTGGGTGGT
AGCTCCTATCCATTCTCTAGGACCTGGTCTCTTACTTGTGAGCTTGGGAAGGTTTCACATGAGAGAATGGC
TCTTCCTTCATTGGTCCTTTCCACAGGAGACCAATCTTGAGCTTACTCACGTTTATGAAAATTGTAGGCCC
AAAGATCCGGGTGTGGAAGTGTAAGGGAATGCCTGGAACCCATATTCCAGGCTTGTGTCGCCAAATTCACC
TCTGCCTGGGGCACCAGACTGCGGGGCCCCCACCAGCAACACGCCTGCGCAAAAACACTTCCCCAAAACGC
TGTGTAGAAACCGCTTGGCGGCACACGAGGGAGGTAGCCCACCGGAAGCGCGACAAGGCCAGTCCCACAGC
AGAGAACACAGCCAGACCAGAGCGCAACACGACAAAGTGGCGGCCGCAACGACCCGCACCANNN
Table3 4184
NNGGCCAGGCTGGTCTCAAACTCTTGACCTCAAGTGATCCACCCGCCTCAACCTCCCAAAGTGTT

Table 6
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GGGATTACAGGCGTGCACGCACGCCCAGCCTAAAAAAACACATTTCAAATACTCAATAATTATCACATGTG
GCTAGTGGCTATCATACCGGCACAGATCTCAACATTATTTTAAAGTCTTAAATAAACTGATGGAGAAAGAT
ACCTCATATGAGAGAAACACTTAAAAGACAACTACTGAAATGTAAATGAAATGGTAACGACAGGAGTAAAG
AATCTAAGATGGTAAGGAAAAGGACAGCAAACCATTTAATTGAAATCGTCACTGAGAAATGAAAGCTCTCC
TCGGGTAAGCAATAGGTTTCTGGAAAATCAAAGTTATTTTCCATTATAACTGGGCCCTCAAAANNNNNN
Table3 4185
NNNNCGCGGCCGCGTCGACACGGCTGCGAGAAGACGACAGAGGGGGGAAGGCGGGGTCGGCGCTG
CCGGGTGAAATCGTAGGACAGTGAAGATGCTGCTGGAATTGTCCGAGGAGCATAAGGAACACCTGGCCTTC
CTGCCTCAAGTGGACAGCGCGGTGGTCGCCGAGTTTGGGCGGATTGCTGTGGAATTCCTGAGACGCGGCGC
AAACCCAAAAATCTACGAAGGCGCCGCCAGAAAACTCAATGTGAGTAGTGACACTGTCCAGCATGGTGTGG
AAGGATTAACGTATCTCCTCACTGAGAGCTCAAAGCTCATGATTTCTGAACTGGATTTCCAAGACTCTGTT
TTTGTTCTGGGATTCTCTGAAGAATTAAACAAATTGTTGCTTCAGCTTTATCTGGACAACAGAAAAGAGAT
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AGCTTGCAAGTAGAAGTCTCAGGCAACAGATTAAACCAGCAGTGACTATAAAGCTACACCTTAATCAAAAT
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CCTGTAGGTATATATTCTGCCGTTGTGAAACAACTATATTATTAGATGTCAGCAAACTATAATCAGAAATA
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CCTTCTGTGATGTTCTACCTTCTTCACCTTTTGAGACCAGGGTGAGTTGGGAGCAGTTTGCCTACCTTCTT
TTAGAATCTGGGGCTTATCTTTTAGTACAAGCCATTGAATAAGCCTCTTCCTTTTTTTTGCTCAAACATTC
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ACATAATTTTCTTTAGAGGTAGTCACTGTTCTCTCCAGTATGACCCAGGTTTCTTGACTCTGAGTAATGCA
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TTCATAACATTTAGGAAAAAATATTAAAGGAAAGAAAAAAGATCAGGGAATTTAAATATATTTTTAGTAGA
TATTTTTATCCAAACTTAATTCTTAGAATGATAAACACATAGTTTACCAGAAAACTCAGCTGTTCAAAACT
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Table 6
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TCTGTCATTTTTTTCTCCATGTTAGTGAAAAAAACATGGGAATCTTAAGACATTAAGCCGTTTCTCCTTTT
CTAGGTAATATTACTTCTAAATGGAGAATTGTTTGTGTTGTTTTTCATCTCAAATGGAAACAGTATTTCTT
TGAAGTTTTTCACATCCCTTATGATCAGGAAGTTCTGTCAGCTGCTATATTAAAGTCCTCCTGCTATAACN
NNNNNNNNNNNNNN

Table3 4187
ACTCTTTTTTTTTTTTTTTGGTaGagaCAGGGGTCTCACCATGTTGCCCAGTATGGTCTCAAAC
TCCTGAGCTCAAGCAATCTACCTGCCTTGGCTTCCCGaGgtgCTGGGGTTACAGGtATGAGCCACCACACC
TGGCCTTGAAATGTATTTCTTAAATAAGCCTTGAaggtcaaaATTACtcCTTGAACCATTTGCTCCAaaAT
GGATAgTgtgTTGATAGGCCTGAAAACAACATtcatttccTTgtACGCGGGGGGGCATCACGGACCTACCA
ATATGTGATGTCACCCCTGGTGGCCCAGCTGTGTCATGGAGAAACTCCAGCTGGGCCCAGAGATTCTGCAG
CGGGAAAATCCAAGGCTTATTTATGCCAGGCTGAGTGGATTTGGCCAGTCAGGAAGCTTCTGCCGGTTAGC
TGGCCACGATATCAACTATTTGGCTTTGTCAGGTGTTCTCTCAAAAATTGGCAGAAGTGGTGAGAATCCGT
ATGCCCCGCTGAATCTCCTGGCTGACTTTGCTGGTGGTGGCCTTATGTGTGCACTGGGCATTATAATGGCT
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CAGTTCTACGAGCTGCTGATCAAAGGACTTGGACTAAAGTCTGATGAACTTCCCAATCAGATGAGCATGGA
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CACCCCAGCCATCCCTTCTTTCAAAAGGGATCCTTTCATAGGAGAACACACTGAGGAGATACTTGAAGAAT
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AGTCTCGCTCTAGAGGGCCCGCGGTTCGAACAAAAACTCATCTCAGAAGAGGATCTGAATATGCATACCGG
TCATCATCACCATCACCATTGA

Table3 4188
ACCCTGCACACACTAGGTTCTCAAGAAATATTCATGTAATAAGTGAATAATTGAATGAATGAATG
ACTAAGTGAAACTTCTCTTTACAACAAGCAAATGTAATAGCCCTTTCTAAGCTCTCATCATCCTCATTGTC
CTTGGTGGATTCCCACCACACTCAGAATTCCTTTTCACCTTTCCATGCATATGAGGCCCCACCTAATCAGG
TGCTGGTCTTCTTAGCTTTCTGTCTCCTACCACTTTTTGTCTTGCTTCGGGAACTCCACTGTCTTTTCTGT
TATAGGAACATGCTAAGGTTATTCTTCATAGTCAAGAGCACAAGCTCTGAACCCAGCCAAATCTGTTTTTG
AACTCAAGTTCCACTTATTGCTAGCTGTGTGATATTGGGAAATTCTTTATGTTCTGTAACCCTCACCTCCC
TCATGTGTAAAATGGAAGTAATGATGGTACCTGTCTCATATGTGGCAACTACGTGGGGCAGCACACTCAAG
GAATGAAGGAAGTTTCAGTGAATGACAACTTTATAAAGACAGTGTTGAGGCAGCCCAGTGCAGCGGTTTGG
GAGCCAGGAACAGCGTGTGGGCCGGAGTGTGGCTGCAGGACAGGAGGTCAAAAATAAGGGTTGAGGGTGGA
ATAGGAAGACCCCGGAACGTCATCCTGGGAGCTTGAGATTTTATTCTACATTTCTCTTGTTCTTAACTATT
TAGGGTGATGGATCTCTGCAGTAAGTGGAAGAGTTCTTCATGGCCCCCAAGGTTATATCCATCTAGAACTT
CAGCACGTAATTTCATCTGGAAATAGTGCCTTTGCGGATATAAGTTAGGTAAAACTGAAGATGAGATCATA
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AAGGAAGAAGGTCATGTGAAGATGGAGGCAGAGATTGGAGGGATGCAGCCACCGGCCCAGGAATGCCAGCA
GCCACCCAGAAGCTGGAAGGAAATGAGGGATTCTCTCCTAGAACCTTTAGAGAGAACATGGTCCTGTGAAC
AGCTTGATTTTGGACTTGCCCATAGCTTGTATACTCTTACTTTGGATACAATTTTATCCAAACTTGGCTAA
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AATGANNNNN

Table3 4189
NNNCTCTCTTGTTCGTTGTCTTCACTGTCGTTGTCGTCTGCTGTGTTCTGTCGCTGCTGCTGCTG
TCCTGCCACGCCGGCCGGCGGGCGTAAGTTGGTATTTTCGTCGCTCGCCTTGGGCGTCCCCGTGTGGTATG
GTCGCCCCGGTTTGTGTGTCCTTCCCTGGTACTCCCTTCTTGGTGGTTTGTTCCGAAACGCTCCGCGTTGT
CCCGCCCCGGCCGGTTTTTTTTTTGTGGTGAGAACCCCAGCCCCCTGTGTCTCCTAGTACACCAGAGCTTC
TCCTGTGGGAGCCACGCCTGTATGGACAAGTGGTCGACGCGTTTAACTTCTTGGGGCCCGCCGCGACCCCC
ACCAAAGGGTGTTAGAAAAACCTTTTCTCTGGCCCAGGCGCCCCCCCAATTTTTGTGTGTTTTTGTCCTGT
TTTTTTTAGTAAAGACATGGGTACTTTATGTTTCCAAACACGCATATGTTGCACAAGACACATAGAGAAAA
TATAAGTTTGGTGGGGGTGCTGACTAAACTTCCCAAGTCACAGACGTTTTATGTGACAGATTGGAGCACGG
CTTTGTTATGCATGTAGAGAACCCCAACTGATTTATTAAACAGGATAGAAACAGGCTGTCTGGGTGAAATG
GTTCTGAGAACCATCCAATTCACCTGTCAGATGCTGATAGACTAGCTCTTCAGATGTTTTTCTACCAGTTC
AGAGATGGGTTAATGACTAGTTCCAATCCCGCGTACCCAGAAAATAAGATAGGGGGTTCCAAAATGAAGAA
TCGCTCCTTTTGCAAACCTTATGGTAACAAATATAATANNNN

Table3 4190
NNACATTAATCTACTTATCTGGAATCACTTTGCCTCTAAAGGCCAGAGAAAAATCACAGCTTCCT
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TGGCAATCTCAGCTGTGCCGGCGCTACGGGACCCGAGCCGTCCCAGAAACCAAAGGGCAGGCACGGCAGCA
AACGCCTGAGGTAATTTTCATCTTTCTTTTTATTTTTAGTAGAATAATGCAGACTGAAAGTGATAAGCATA
AAGTCGCTGAGGCAACTAGATATGCTTCGATTTTATTTTACATTTTCCTATTCTAATCGTGTGCAGGATCA
TTTGTTATGAAGTCTGAGGAGGGGGAGAATTAATGTACCTGAAATAAACTTGAAACTAAAACGATCATTTG

Table 6
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TGGAGGAAAATACAGGATTTTCCAAAACAGTTTCAGAGCTACCTTTGCAGATGGGTAGGCTTTTCACCCAC
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CGTATCTTAAAGAAAATATCTATGTTCAGAGAGAAAATTGAGAAGATAAGTTACTGCCCAGTTCCTCTGGT
CTTTGACACTTAGACCACATAAGAATGTTCCATGGTAGAAGGGTTGGGACAGAGAATCTTAGGAATCCTAA
GAGAGAATCAATACTGCTCCCCTACCCCAGGTTTTTCTTGTTTTCTTTACAATAGTATCCTTATTTCCCAT
TACATTTTAGTGTTAGTCATACCAATTACTTGTTACACCATACTTCTACATTTGCAGTTATTAAAGGATCT
GCAGAAAACATTTTAAAGTCAAAATGATTATAGAGGCAACTAAAATAAGAAAGCAAAAAAATATGTGAAAC
TGACATACACATAACCAGAACACCGCACCCCTTAGATACTTAATGT
Table3 4191
ACTGCTCTCCAGCCTGGGCAATAGAGTCGGACTCTTGTCTAAAAAAAAAAAAGAAAAGAAAAGAA
ATGACCTGCTAATAAAGTAATAGAATGGAAAAAACAAAACAAAACGAAACAAAAAAAAAACAAAAAAGCGA
AGCATAAAGTATCTAGACAAGGTGTTATCTGGATTTCTGGTACTGTTGAACATAATTAGATGTCACATGAT
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CAACGAACTTTGGACTGAAAGTATTTGAGAAAAAATATTGCATCTGTATTGAAATGTACAGACTTTTTTCC
TTGTTATTTCCTAAACAATACAGTATAACAACTATTTACATAATATTCACATTGTAGAGTATTAGGTATTA
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TGATACCATTATAAGCTGAGGGATGGAGAGATGACACTTGTCATCTTAATAGTTTAAACCCTTCCTACTAT
TTTTTTAGTGAGAGGTAAGTAAGCTTGAATCATTCCAGGCCAATATTCTTTTACTCTCAATTCCTTCTATT
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CTATCATAGCACACTCCCAATTTCTTTCATGAGTCATTGGTAATGAGAGTTCTGAGTACTTGTTAATCTTG
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TTTTTATTTAGTGTTTAATAATTTCATTTAACGACTTAAGTTCTTAAAAATTTAAAGTTTGATTATACTTT
GGAGGATCACAGATTGTTCCATAACCTTAAGCCTCCAACTATTTCCGACTTTCACTAGAGGATCATATATG
CTTCATGGAAATGAGTTTATTAAAGCTGTCTAGAGTCACATATGGTTTTTTCTAAATGAATTGCTTGCTTA
GGCTTACTTGCTTTTTAGGTTACCTGTTGCACTAGATTGAGGCAAATAAAAATATACTAAAGTGAAAACAT
GGATAATAGTTGATATAATTTTGAGATTGGGTAAATAATGTTTTAAAAAGTTGCAATACAAATGCTGCTTC
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CATCTAAAAAAAAAAAAAAAAGAGTTTCTGTTAGCATCTGTAATTGTGTAGATTTAAGTGTAAAGTGATTT
GAAATCTGAAATCTTTGTAAGATTATTCAGCTCTTGTGCTGGTCTGTTCGTGATATACTTTCAGGTAAGTA
TCAGAAATCCATTTAATAACCTTTCCTGTGTGATTTATTTCACTTGGTTATATTTATTTCTGATGGTTTAT
TTCTGATGGTTATAGATTTTGTAAATGGCACCTTTATGATTTCTTTTATTAACAGAATTCTGCTTGGTCAG
AATCGTGATGGCATTGTGTTCAGCACTGATGACTATTTTCACCATCAAGATGGGTACAGGTATAATGTTAA
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Table3 4192
NGAGTTTCATAATCTCATCAATATTTTAAGATAGGCGAGCACACACTAATAATATCTATGCCTAC
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ACCTGCCTGTTGGGGAGAATTCTATAGACAGAAGGTCAATGTTGTCCCCATCCATAGGGGTTGAATTACCT
TGCTGTTAAGTGGTCTTCCCCCATTGGGATCCTACAGTCCCACAGATGAAAGCACAGTAGTAGCTGACAGC
TGGCTTATTTGGTCCCTCGGCATCTCTCGTATGTGGCATATTGCTTTTGCCACTTTCCTATCCAGCAGACA
TCAAAGCAAAACTAAAAGGTAGATATCTGGAATGAATGTATATGTTGTAATTGAGGCAGATATTTGCCTTA
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GCTGGAAGCTGTGCCCATCTTACTGTCACTGGAGAATAGGATGTCAGAGCTGGGCAGGACTGGTACCCATC
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AGAGGTAACTAGTGGCAGATTTGGGGCGCCAACCTGATTTTATGGATTTTGAGTTAGATTCTCTACCCTCT
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TCTTTAAATTTGAAAACATGTTTTAGGGAGTTTAGTTCTAGAAATTTCTCTTAGATTGAAGTGACAGAATC
TGAAAGAAAAGAATATGATTGAGCTATTTGTTTTCCTGAACACCTCACCTTTTATGATGCAATAAGTTACT

Table 6
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CTGAGTTTCTTGGCAGAGTTTTTGACAGCTGTTGCTTTCAATGGATTCCATTCCTGTATTCCTTATGGGAG
GTTGTTTTTAAAATAGACTACTGCGATTGAAATGAACTCAATATGTAGTTAAGTTATAGTTTTCTTCAATG
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Table3 4195
NATAGACNNCCCTTGGTCACGGGCCGCGCGCCATTGTGTTGGTACCCGGGAATTCGGCCATTATG
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Table 6
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CCCCCTGCTGGTTCTAATATTAACAGAACTGCAGTCTTCTGCTAGCCAATAGCATTTACCTGATGGCAGCT
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ANNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Table3 4197
CGCGTCCGCATGCTCACGGCCCCTGGAGACCGTCGTGCTGGCGAGCCGTGCTCCGTAGCTCCCCG
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CTTGGAGAGGCGTCGAGCACAGTAGGGCGGCGGGGGTGCGTTGAGCGCTCGGGGGTCAGGCAGTCGGCCGG
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Table 6
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TGTGAATAGTGTGAGTCTGGAGGGAGTCAGCCACCATGCTGCAATTGAAATTTTGCAAAATGCACCTGAAG
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Table 6
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TTATCTGTTTGTTACTGCATCATCTGTTTGTAATCATTATCTCACTTTGTAAATAAAAACACACCTTAAAA
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Table3 4199
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N
Table3 4200
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Table3 4202
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GAANGAANNN
Table3 4205
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NNN
Table3 4207
ACCATCCTCCAAAAGAAGTCAATTTTACTGTATAATAACTTTTAAAAACAAGTATACATTTTTTT
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AGGGCCT
Table3 4209
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GAGCCGCCACCAAGCAGGCAGGTGGATTTCTTGGCCCACCACCTCCTTCTGGGAAGTTCTCTTGAACTCAA
GAACTCTTTATTTTCTATCATTCTTTCTAGACACACACACATCAGACTGGCAACTGTTTTGTAGCAAGAGC
CATAGGTAGCCTTACTACTTGGGCCTCTTTCTAGTTTTGAATTATTTCTAAGCCTTTTGGGTATGATTAGA

Table 6
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GTGAAAATGGCAGCCAGCAAACTTGATAGTGCTTTTGGTCCTAGATGATTTTTATCAAATAAGTGGATTGA
TTAGTTAAGTTCAGGTAATGTTTATGTAATGAAAAACAAATAGCATCCTTCTTGTTTCATTTACATAAGTA
TTTTCTGTGGGACCGACTCTCAAGGCACTGTGTATGCCCTGCAAGTTGGCTGTCTATGAGCATTTAGAGAT
TTAGAAGAAAAATTTAGTTTGTTTAACCCTTGTAACTGTTTGTTTTGTTGTTGTTTTTTTTTCAAGCCAAA
TACATGACATAAGATCAATAAAGAGGCCAAATTTTTAGCTGTTTTATGTACAAGGAGAGATCTGTTTCATT
TTGTTTTGCCGTATTTCTAGATATAAGTTTTAGCATGGGCCAGGAAGGACTAAAATAAAAGTTTTTAAGGT
ACTGTACTTTTTGCCATACTTGacTCatatactcataatACAgagttgtcgtgcgtagcaagtgaccgggt
cctctaga
Table3 4210
ACCATCCTCCAAAAGAAGTCAATTTTACTGTATAATAACTTTTAAAAACAAGTATACATTTTTTT
TAAAGATGGAGAGGCTAACAAACTTTGCAACCTTTCCAGGTAAGGATTCATGAGACCTGAGCAGCCAGCCA
GCCCTGAAATGGTTGGAACAAGAGAAAGAAGAAGAGCTCGACAGATACCCTGCCTGGGCTGGCAGCTAGCT
GCACCACAAGCTGGCCAGCTGACAGCGGGCACATCCCTTCATCACCCAGTGCCTTTCTTCCCTCTTGTGAA
AATGGAGATATGCTGAGAAGGTTTCTTCAGCTCATCCAGAGAAAGCTTCTTCAGCTAACTAGGCTGTAGAA
AGGGCCT
Table3 4211
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NNTACTTNCNCACCNTAACCACNTTNACCCCCNANGTTACAGNCANTTGTAACNTNTGNACCTAGGAAGGC
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CTCCTTGTCCACTGCCCTTTGCATCTCATGCGGGTCTCCAGAAGACCCCGCTCCTGCTGTGCAGGCTCCCA
CGCATACCTTAGACACTGCTGTGGTGTTGGGTGGCCACGTGACCCACACAGGCCTTTTCTAGTTCACCAGT
TTTCTGCAAGGATGCTGGTTAGGGAGTGTCTGCAGGAGGAGCAAGTCTGAAACCAAATCTAGGAAACATAG
GAAACGAGCCAGGCACAGGGCTGGTGGGCCATCAGGGACCACCCTTTGGGTTGATATTTTGCTTAATCTGC
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CATCCTGAAGGACTTTGTCAGGTGCCTTGCTAAAAGCCAGATGTGTTCGGCACTTCCTTGGTCTGAGGTTA
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CCCATTATAGGAGCACTTGGGAGAGATCATATAAAAGCTGACTCTTNNGTACATGCAGTAATGGGGTATGA
TGTGTGTGGTGTGNNTNANTCCNTCAANGGGTNCTTGTNTGGANGTGTTNCNTCANCCCTTGNGANCCACN
ATTGTNTNNNNNGNCNACACNNGNAGANTTNGCGANCCNNNNAGGGGACNNNNNNNNNNNNNNNNNN
Table3 4212
ACGCGGGGGGGCATCACGGACCTACCAATATGTGATGTCACCCCTGGTGGCCCAGCTGTGTCATG
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GGAACAGCATATTTAAGTTCTTTTCTGTGGAAAACTCAGAAATTGAGTCTGTGGGAAGCACCTCGAGGACA
GAACATGTTGGATGGTGGAGCACCTTTCTATACGACTTACAGGACAGCAGATGGGGAATTCATGGCTGTTG
GAGCAATAGAACCCCAGTTCTACGAGCTGCTGATCAAAGGACTTGGACTAAAGTCTGATGAACTTCCCAAT
CAGATGAGCATGGATGATTGGCCAGAAATGAGGAAGAAGTTTGCAGATGTATTTGCAAAGAAGACGAAGGC
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GATACTTGAAGAATTTGGATTCAGCCGCGAAGAGATTTATCAGCTTAACTCAGATAAAATCATTGAAAGTA
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aagctTGTCGAGAaGTACt
Table3 4213
ACAGGTGTGCACCTACTGCAAGAAATGAAAGTGATTGGGAATGAAGCAAGATAACAGTTATTCAC
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CCTCAGTTGCTATACCTGCCTTTCAGGAACTGCCCTCGTTTTCAAGAACTTGAGAGTGAGACTTTGAAATC
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CCTCTATGGAATTCACAAGCAGAAAGAGAAATCTAGGCTCCAAGGGGGTGTCCTGGTCAATGAAATCCTCA
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TATCCCCTCATGCTACCTGGCTGCAGCCCCAGCTGTCCTCTGGAGAGGTTTGCTGAGCTGGTTGGCCCTGT
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AGTGTGCACAGAGATCTCTGTAGAAAGAGTAGCTGCCCTTTCTCAGGGCAGATGATGCTTTGAGAACATAC
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Table 6
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AGCAGGATTAGATAAGGCTGTTCTTTAAATGTCTGAAATGGAACAGATTTCAAAAAAAAACCCCACAATCT
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TGCTACTATCTGTTTTTATATTTCTGTTAAAATATATGAGGCTACAGAACTAAAAATTAAAACCTCTTTGT
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TATGTAATACATATAGCAGCTCTTGAAGTATATATATCATAGCAAATAAGTCATCTGATGAGAACAAGCTA
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ACTCTGCAAGAAGAAATCATGATATAGCTTTGCCATGTGGCAGATCTACATGTCTAGAGAACACTGTGCTC
TATTACCATTATGGATAAAGATGAGATGGcaGccAgtagaaacCATCTCTagaaaccatcTCATCTTTATC
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TTCTTGCAgagtgggcAGTTTcAGCaGGACCTGTAAGTTTGCTTAGGTTTTCTGAAGATATCGGCattaaa
gACTTACACATTCctttcgtCCTCCTAACGTATTTCGTAACCACACTCtcaacATTCcaatAAGTTTTGAA
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TTTTGGTAGAGACAGTGTCTCACTATGTTGACCAGGCTGGTCTTGAACACACCAGgcctaaagTGATCCTC
CTGCCTCAGCCTtccaaatGCAAGGATTACAGGTGTgagccactgtgcctggcctatacttcctttcttaa
tcaactttgtttttatttatttatttatttatttatttatttatttatttatttattgAGACAgggt
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AAGTGATCCTCCTGCCTTAGCCCCACAAGTAGTGGGACTATAGGCACACACCACCATGCCCATCTAAGTTT
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CTGCCCACCTCGGACTCCCAAAATGCTGGGATTATAGGCGTAAACCACCATGCCTGGCCTTAAATCAACTT
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TGTATTACATACATCAAATCTTTCTGTAAAGTTTGATTTTTGTTTCTTTAAAAGGAACATAAATGTTCCAG
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GTTCCCACCCTAGATTGTGGGGTTTTTTTTTGAAATCTGTTCCATTTCAGACATTTAAAGAACAGCCTTAT
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TAATGGCCAAAGTATGTTCTCAAAGCATCATCTGCCCTGAGAAAGGGCAGCTACTCCTTCTACAGAGATCT
CTGTGCACACTAATCTGTACCTGCCCGGCCGGCCGCCACCGCGGTGga
Table3 4214
NNNNNNCCAATGCAATGCAAATTTAGACTAAAAAGCAATGGAACACAAAAGAAACCTGTATACAT
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ATGTGATTCTTGTTGTTGATTCTCTCTCTGGAGTTCATGTGCTGCCTCAGGAGACTCTGATTTTATATTTG
AGAAAAATAAAGGCGTTCAATCTGC
Table3 4215
ACGGGCCGGGAGATTGCACCGGAAGACGCTTCCTGGGTTTGAGGAGTTCAGTGACTGCTATTGAA
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TCAAATCAACCACCATTATGTTGGACTGCGGACTGGACATGACTTCTACCCTCAATTTCCTTCCTTTGCCA
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GGAGCTAAAGGAGTGCTCGGGTCATGTATTTGTGGATTCTGTGCCGGAATTCTGTTTACCAGAGACGGAGC
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GGAAGAGCTGGTGAATTTCATTGAAAGAGTGCCAAAGGCTCAGTCTGCCTCCTTGTGGAAGAATAAGGACA
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AGAAAGTGTCTTATGTCTCTGGATCCTCCTTGCTTACCACACACCCCCAGCCCATGGACCAAGCTTCTCTC
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Table 6
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GAGTGATCTATGACCTCCTGGAGTGCCTATATCAGTACATCGACTCAGCCGGGCTTTCCAGCGTCCCCCTC
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CAAACAGAGTAAGGTGTATCTTCCAGAACCACCTTTTCCTCATGCAGAGCTCATTCAGACCAATAAGCTGA
AGCACTACCCCAGCATCCACGGAGACTTCAGCAACGACTTTAGACAGCCCTGTGTGGTGTTCACCGGGCAC
CCTTCCCTCCGCTTCGGGGACGTGGTCCACTTCATGGAGCTCTGGGGAAAATCTAGTCTCAATACCGTCAT
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GTGGTGTGTCCTGAGCAGTACACTCAGCCGCCCCCAGCCCAGTCCCACAGGATGGACCTCATGATCGACTG
CCAGCCCCCCGCCATGTCCTATCGGCGGGCTGAGGTTCTCGCCCTGCCCTTCAAACGTCGGTACGAGAAGA
TCGAGATCATGCCAGAGCTCGCAGATTCACTGGTGCCCATGGAGATCAAGCCTGGCATCTCCTTGGCAACT
GTCTCGGCCGTGCTGCACACCAAAGATAACAAGCACTTGCTTCAGCCCCCTCCTCGGCCCGCCCAGCCCAC
GAGCGGGAAGAAGAGAAAGCGGGTGAGCGATGACGTACCAGACTGCAAAGTCCTGAAGCCTTTGTTGAGCG
GTTCCATCCCTGTGGAGCAGTTCGTGCAGACCCTGGAGAAGCATGGCTTCAGTGATATTAAGGTGGAGGAC
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TATCATCTGCGACAATGACGAGATGCTCAGAGTGCGACTGCGGGACCTTGTCCTCAAATTCTTACAGAAGT
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GAGGAGTGGCATGAGAGGCCATTAACTGTGTCTTTGTGGTGTCCTCTGGCTTAAGGAGTGAAGAGGTGGCT
CTTGAGGGAAATGGTCTGGACTTATTCCCAGCACTGTTTCAGGCAAGAACTTTCCCTTTCAACTTCAGGCT
CATTTTCTTCTCAACTCTGGCTCTCTCAAGGAGCTGGAGGGTGGCAGAAGTGGGACAGGAGAAGTTTTCCA
AGAGGTTCATGGGAGGCGGAGGTGACTGGCTGGCTGTCTTGCATCAGTCCCAGGCCTCGGCCAGGGGAGCC
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GAACCCATCTGTCTGCATTTTCTACTCTGAGCCCATTTGTTAATAAACACTTATTTTTATGCAAAAACCAA
AAAACAAAAAACAAAAAAACTTTTTGGGGCGGCCGGCCCCGGAAAAAGTTTTACAACCATCGTGTGGGCCG
GGCCCCGATGGTAAGTGACACTGGCCCAGCGGTCCAGGGAACCCGCCGCACCGGGGGGTTCCCCCATAAAA
AGGCGCGGGGCCGGGGTTTGAACATCCGGGGGTCGGGCCTCGGGTCTCAAGGCACGCTAACCCCCGGCGCN
NNNNN

Table3 4216

GAGATGGGGTCTTGCTGTTTTGCCCAGGCTGATCTTGAACTCCTGGCCTGAAGCAATCCTCCTGT
ATAGGCCTCCCAAAATGCTGGGATTATAGGCATGAGCTACTGCACCCTGCCTCTTGTTTTTAAGATAGATT
CCTCATGCTAACAGAATAAGCTATTAGCCACATTTCTACAAAGGTGATTTTAAGTCAGGTTTATTCTCTAA
AAATGAGAGGCATTAAAACAAAGATAGTTCTCTAACAACAACAAACTAATAATTTAAATTTTTTTGCTGTT
TACTTTATGAATAGGGTAGAATGTCAACATTTAATTTTTATGGCTAATAGTCTATGGAATTAATAATATTA
AGAGATTATAAACGTTGCTAACATACACACAAGGAATAAATCAGTTTTCTACATAGATAGCTGAATTGACT
TGTTAATTTTGGAAAAGAAGGAATAAAAGCAGAAAAATAAATTTGGAAAGAATTTTACCATAAAATTAGTT
TTTTTCTGAAGAAAAACGTCAGCAAAAGTACCTTTTGTGTATGTGTGTTTGATTTAGTATGGGAAAAGATA
TGCATCTTATAGACTGGCNNNN

Table3 4217

agGGAGTCACCCACGCGTCCGCTTCCTGCCGATGCCGGTGTGGACGCTGTGAATCGTGGCTGGCC
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GCTGGTCGCAGACTCCCTGACCCCTCCCTCACCCCTCCCTAACCTCGGTGCCACCGGATTGCCCTTCTTTT
CCTGTTGCCCAGCCCAGCCCTAGTGTCAGGGCGGGGGCCTGGAGCAGCCCGAGGCACTGCAGCAGAAGAGA
GAAAAGACAACGACGACCCTCAGCTCGCCAGTCCGCGTCGCTGGCTTCGCCGCCGCCATGGCAATGAGACA
GACGCCGCTCACCTGCTCTGGCCACACGCGACCCGTGGTTGATTTGGCCTTCAGTGGCATCACGCCTTATG
GGTATTTCTTAATCAGCGCTTGCAAAGATGGTAAACCTATGCTACGCCAGGGAGATACAGGAGACTGGATT
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GAGGGAGAGATTTTGGTTATAACTTATGGACGATCTATTGCTTTTCATAGTGCAGTAAGTTTGGACCCAAT
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AGCTGTCTTACTCTGATGGAGGTATAATGTAGCACGAAAGACTTCCAAAGAACCAGTTTCTCTCTTGCTGT
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Table 6
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CCACTTTGATCAGTTATTTGTTGTATGACTTCATTCAAAAACACTTTCATCAATAGCATGGGGATTGTATC
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CACCTTCCTCAGAAATGCATCAGGCTACTCTGTGTTTGCAGCATCGCCCAGGTTCCTAAAACAATCTTCCC
TTTACAAATTACTTTTATATCTACTACGAAAGGATGAGCTCTTGTTTAAATGTCTAACTGTGAACATCAAG
TGTGCTGActggAGATAAATGTTTTTCATCTTTTTTTTTTTCGGACgc
Table3 4219
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TGACACCTTTCCCACTGACCCCATAAAGGAATCCTCATGGCCACAAGGATTTGGCCAACTCACCCAGCTGG
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GAATTGTCCCTCCTGTCCCTCTATGGAATTCACAAGCAGAAAGAGAAATCTAGGCTCCAAGGGGGTGTCCT
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GAGGCTACAGAACTAAAAATTAAAACCTCTTTGTGTCCCTTGGTCCTGGAACATTTATGTTCCTTTTAAAG
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CAGCCTGGGCAACATGGTGAAACCTTGTCTCTACATAAAATACAAAAACTTAGATGGGCATGGTGCTGTGT
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acaggtccgaagcgccgaggggagagagcgggggggaggagggcgagagaaaacggagagaggagaggcaga
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caaaaggcgggaa
Table3 4220
NATCGANCNCCCNNTTCATCGACNCCCNTTGTCTCGGGACGCGCGCCATTGTGTTGGTACCCGGG
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GCCAGTCATAAAAGATGACAACAGCAGCCAGGCCAACCTTTGAACCTGCCAGAGGTGGAAGGGGAAAAGGA
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Table3 4221
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Table 6
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NN
Table3 4223
NNNNNNNNNNCATTTAGTACTTTATCATCCATAATATCTTACTCTCTAATCCACATAATGGAGTT
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Table3 4225
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Table3 4226
GCGTCCGGAAAAATAAAACCGCTAGCTCCACGACAAAGGAGAAGGAGACAAAACTACCTTTACTT

Table 6
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Table3 4229
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Table 6
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CACCTTTCTATACGACTTACAGGACAGCAGATGGGGAATTCATGGCTGTTGGAGCAATAGAACCCCAGTTC
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Table3 4230
ACGGAAACAAAAGAGATAATAAACTAATAGTTATTTAATATGCTGTAACAACAAATTAGAAACAT
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Table3 4231
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GGTAAATTGAACAATTTAGTAAAAGAATGGATTTCTGATGTCAGCGAGAGTAAGAACCTCCCACCTTCTGT
TGTGGCTACTGTTGGTGGTAAAATTTTCACATTTGGATCCTATAGGCTTGGAGTACACACCAAAGGAGCTG
ACATTGATGCACTTTGTGTAGCTCCAAGACATGTGGAAAGATCTGATTTTTTTCAGTCTTTTTTTGAAAAA
TTGAAACATCAAGATGGCATTAGAAACTTAAGAGCTGTAGAAGATGCCTTTGTACCTGTTATAAAATTTGA
ATTTGATGGTATTGAAATTGATCTAGTCTTTGCAAGACTGGCAATACAAACCATATCAGATAATTTAGATC
TAAGAGACGACTCTCGCCTGAGAAGCCTTGATATAAGGTGTATTCGCAGCTTAAATGGTTGTAGAGTTACT
GATGAAATTTTGCATTTAGTGCCAAATAAAGAAACTTTTAGACTCACCCTAAGAGCTGTCAAATTATGGGC
AAAACGACGTGGTATTTATTCCAACATGCTAGGATTCCTTGGTGGTGTCTCCTGGGCAATGCTAGTTGCAA
GAACTTGCCAATTGTATCCAAATGCAGCAGCATCTACTTTAGTTCATAAGTTCTTTTTAGTTTTTTCCAAG
TGGGAATGGCCAAATCCTGTGCTGCTGAAGCAACCAGAAGAAAGCAATTTGAATTTGCCTGTCTGGGATCC
TCGGGTAAATCCATCAGATAGGTATCATCTCATGCCCATAATCACCCCTGCCTACCCACAACAGAATTCTA
CGTATAATGTGTCCACATCAACTCGAACAGTAATGGTAGAAGAATTTAAACAAGGTCTTGCAGTCACAGAT
GAAATTCTTCAAGGAAAGTCAGATTGGTCCAAACTACTTGAGCCACCGAATTTCTTTCAAAAGTATAGACA
TTATATAGTATTGACTGCCAGCGCATCAACAGAAGAAAACCATCTAGAGTGGGTTGGATTAGTAGAATCTA
AAATCCGTGTACTTGTTGGAAACTTGGAACGGAATGAATTTATTACTCTTGCCCATGTGAATCCCCAGTCA
TTCCCAGGGAATAAGGAACATCATAAAGACAACAATTACGTATCAATGTGGTTCCTTGGGATAATTTTTCG
GAGAGTAGAAAATGCAGAAAGTGTCAACATAGACTTGACATATGATATACAGTCATTTACTGATACAGTGT
ACAGACAGGCAAACAATATAAATATGCTAAAGGAGGGAATGAAAATTGAAGCAACTCATGTAAAGAAAAAA
CAACTTCACCACTACCTTCCTGCAGAAATTCTTCAAAAGAAGAAAAAGCAAAGTCTCTCTGATGTCAATCG
AAGCTCGGGCGGACTTCAATCCAAAAGATTGTCTCTGGATAGCAGTTGTCTGGATAGCTCCAGAGACACTG
ATAATGGAACACCTTTTAATTCTCCAGCGTCCAAGTCTGATAGCCCTTCTGTAGGAGAAACAGAAAGGAAT
AGTGCTGAGCCTGCTGCTGTAATTGTGGAGAAGCCACTGAGTGTACCACCAGCCCAAGGACTTTCCATTCC
AGTGATTGGCGCAAAAGTTGACTCTACAGTAAAAACTGTATCACCCCCCACTGTGTGTACCATTCCTACCG

Table 6
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TAGTAGGACGAAATGTCATTCCTAGAATCACAACACCTCACAACCCTGCCCAGGGACAACCGCATCTGAAT
GGAATGTCAAATATAACTAAGACTGTTACACCTAAGAGATCCCATTCCCCATCCATAGATGGGACTCCTAA
GAGGTTGAAAGACGTAGAAAAGTTTATTCGACTTGAATCAACATTTAAGGACCCCCGCACTGCTGAAGAAA
GAAAAAGAAAATCAGTGGATGCCATTGGAGGAGAATCTATGCCTATTCCAACTATTGATACATCACGCAAA
AAGAGACTACCCAGTAAAGAACTACCAGATTCATCATCTCCAGTTCCAGCAAACAACATCCGTGTCATCAA
AAATTCCATTCGACTGACCCTTAATCGGTAAAAGCAGTGCCTCCTCACTTAAGTGAACAAGCAATCATTTA
GTGGCATAGATGCAGCCACTTGTTTTTTAAATAGAAGTGGCTGTCATACGTGAAATAAGGTGAAAGTGACA
GCCTTCAGTCTAATAACCTTGAAGTGGTTTTTGAACTGTCAAACTTTGACCTGTAGATGCTGTAGCATTCT
CTCACTGATTGCTACATACACTTCTCTGAGGATCACCTGCTGTCAAATTGCCATCTACAGTATTACAGCTT
TGCATTTGAGGGTTTCTCCCTAACTTCAGGCAGTATTGGACCATTCTAACCCCGGACCCTGTACAAATCCG
AACCCTTGTTGTTATTTTTTGGGTTTTCTGTTTTGTCTAATGTGTATCCTTGATACAGCTAAAAAATGGAA
CCAACAAAAAATGTCTTGATTTTCCAATGTTATACATTTACTTTAGCATGAAAGCACTTTAAACCTGAGAT
AAATGAATGTGAGGTATCTTTTCTGCTTTCCTCATTTGTGTAGATGTACTGTCTGTTCTGTTGATTTAAAT
TATTTTTTTCCAGATTGGCACATGAAATATTTAAACTTTTTTGTGTGCCTTTCTGTCCAAATGTTGCATAG
TTACCAGGGAAGATTAGTCCAGTGATTACATAAGAGTTGGGCACCATAAATTCTCTATATTTTGCCTCCCA
TGGAGGCCTTTGAAATGCATCTTTATTAAAAATCAAAATATAACCAGGATACTGAAAGTCAGTATATGAAT
GGTAAAATTGTTACATATCCTATTTCATGCCATTCTTGTTAGTTGACTGGTATTTTTTACTGAGGAGCAAC
TCATTCCAGCATCAACAATAAGATAACCTTTAAGTATGGCACACTTGTATTTTTGAGGTGTAAAATTAACT
TGGCATGATAATTCCTGATCATTATTTACCCCACAACTTCAAATAGTTTCTTCACGGACTAGGCATGCAGA
AATAAGCAGTGGATTTTATTGAAACCTAAAGGCATTTTGAATGACATTGTTACCAACCATTAATTGGCTCA
GGACCTTTGTAATTTTTATTTAACTATATGAGTTGTCTTTTTTTTACGCTGCTTTTTTTCAATGCATTTCTTA
ATATTTTTTTAAGTTTCATGAATGCATGCTCAGTTTATTAAAATCCATAACCATGTAATTCTTGTAATATGT
TGATTCAGTGTTTTGTAAATGAAGTCGTATGTATTTTCAGAGTATTTTTGTATGTACTGTAAGATACCATC
TTTTCAAAGAGAAACGTTTAAAACCTTTATTGTCTCTCCTTAGTCTAATTTTTTAAATATGGATTATGCTT
GAATTACTATATTTAAAATGAAAATGTATAGATTACACAGCCAGGAATGCTAGTATCTACCACCTTCTTTA
GATTTCACTCAGCATTTAGTAGGTCCAGTAGGAAAAACCCAAAATGGTACATTGAGTAGTGTGGGGAAGAC
ACCTCGTGTATTATAGGACTCACGGGATGCCATCTAGCAAGTGGAGAAATAGCAGTCCATTTTCTCTTGCA
AGCCCTTTACCATTGAGTTGAAATTCTTGAATTGCCAGAGAGCCGTATCCTCCAGGTCCCACTCCTGTTCA
TTGCCCCTTAGGTCTCCAAAATGTAAATTCTAATGTTTACCTTGTACCATGGAAAACATGAAAAGAGTCTT
AGAAGTAAAGAACAACAAGGAAAAAAATGTTTGTTCTATTATTCCCTTTTTATATAGCAGCAAAAGATAAG
AATAAAATCACATAACCAAGNNNNNNNNNNNN
Table3 4234
ACGCGGGGCTCTTTCTGATCTCTTTTTCATGCTCCTCCTTGCTCCAAAGAAAAGCCGGATGGCAA
AAGAGCCCAGAACCTATTGGAACTGACAAAATCAAGTCACGGCGCCTACAAAGATGAGGGGCAGATTCTGG
CTGCCTTTTAATTTCGTCCTTCACCTGATATCTGTGCCAGAGAATGATAAAAATCATAATAAAGGAAATAA
TGGAAGAGGAGACTTATGTTACTGGGGACATCTAACATAATTATTTTCCTGATTCAGTGGCATGGTTCAGT
CTTCCAGGAGTTCTGCTACAGAGAAGAGAGTAACCCCCATCCATCATGGCCAAAGCACCCAGTCAGGCTCC
GCTCTGGATCCAGCCCGACAAATGCAACCCTTGAATAGGGTTTGTGCAAGCAAACTGGATGACGACCGAAG
AAACCCTGTCGCTTCTGAGAAGACACCCAATCCAAGAATGTGAGTTCTGGAAATGTCATTAAATGTCAGTT
ATATANNNNNNNNNNNNNNNN
Table3 4235
NNAAGACGTGTTTTGCGACTGCCCTGTCATTAGGCCAGATTGTGCATTAGACTTAGGCCTGCCTG
CAGTTCTCATTCCTGCACCTAATCCTGAGCTGTAAAACTTCGTGCATGGGAGCTCTTGGCTGTTCCGTTCC
CACATAAAGCACGTACCTGACTCATCAACTCATCTGTCGCAGGTGCTCAGTCGAAATTTGTTAAATAAATG
GAGGCGCTTAGTTAAGTTTGCCTTTTTCTTTTGTAGCAATGTGAAAGCTAAGGGTGGAAGTCTAGAGTGAA
GCTGAGTTTTCAGCTTGGGCAGAGGCTTAAGGAATAAAAGATGGAAGAGTAATTAAGGAGTGGGTCGTGCT
GTGGGAAGTGCTGTGTCAAGACACCTGAGGATGGAATTGGTAGCCCTCTGTTTTGGGACTGGTTCAGATGG
TGTTTTGGGTTCCTTTCTATGACCTTTATCTCTGAAACTTGATTGTCTTAAAATGTATTTTGTGGGAGAAA
ATATAATTATTGTATATTTTGTGTAACAGAATCAGTGAGAATAAGCTGCTGTCGCAAACTGTCTTGCCTAG
AGAGAGGGCAGTGGCCTACAGCTGCAGAAGGGGCCACACGGGCCTGCTGAGTGTTCCGTTTCATTTCAAAT
TAGGTCATTCTGTCTTGATTTTGATATGGATGTTTCAGAAGACCCTAGCAGATGTCCCTGTTTAACTTGAA
ACCATAGATCAGAAAACTAAGTTCATATTTCAATTTTACAGAGATTTGAATAGAAAAAGTAATCAAGTTAA
AACCTGCAAAGCTAAAATTGAACTACTTGGGAGCTATGATCCACAAAAACAACTTATTATTGAAGATCCCT
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TAACAGATGAGATTGTGTTAAGGATGTTTTTGTTATGCAGGTTTTGCCATTTTCTTCTTTTTCCTGTCCAT
TTAGGGGAATGACTCTGACTTTGAGACGGTGTACCAGCAGTGTGTCAGGTGCTGCAGAGCGTTCTTGGAGA
AGGCCCACTGAGGCAGGTTCGTGCCCTGCTGCGGCCAGCCTGACTAGACCCCACCCTGAGGTCCTGCATTT
CTCAGTCGGTGTGTAATCACGTTCCAGGGCCCAAAGCCCAGCTCTTTGTTCAGTTGACTTACTGTTTCTTA
CCTTAAAAAGTAATTGTAGATGGAAATCAGTTGTGTTTGGCAGGAGAATCAATAAAAATCTTTGATTCAGA
CAGCTTATGGGGTATTTTAAGCATTCTTAGACTAGTTGAACATCTCACTTTGCCCCAGTTACAAAAATAGT
AGAACAAGCAACATAAAACAATGAAGGAAAACCTCACTTGAAGGCCCAGGTCAACATCTAAGCCTGTTGAG
ACTTAGATAATCGAGTCTACCTCTTCAGTAGGTTTGTGTGGATGGCCTGGAGGGCAGGTGCCCTCTGCTCC
CCAGTGCTACCTCTCTCTTCCCTAGGGCCTTTTGTGGATTGACAGTAGTCCCCTTCGTAGGAGCTCACAGT

Table 6
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CTAGATTAGAAGTGGTTTAATTTCTACACACCCATAGTGCACACTTGNATATTGAAAAGATAGGGAAGAGA
GAAACATTTATGGNATCAAGCGTTGGCACCTTCAATACTTCATGAATTTTGGCCAGTTTACNNNNNNNN
Table3 4237
ACCTCATCAATATGTGCATTTATTATTTGCCAATTAAAATAATATAAAACTCTTTAAAAATTAAA
AACCATATATTTCCCTAGTATTTCTGGGATGATTTTTTTTTCTCAATGACTTTTGAGAATGCTTTTGCTTT
GTTCTCAAACCTTTGATAATCTCCATCATTACTGGTTGGGTATCCCTTATCTGAAATGCATGGGACCAGAA
GTGTTTCAGATCTCAGATTATTTCATATTTGAAAATATTTCCATACAGATAATGAAATATCTTAATAATGG
AAACCAAGTATAAACAGGAATTCATTTATGTTTCATACACACCTTATGCATGTAGCCTGAAGGTAATTTTA
TTAT
Table3 4238
CAATTAACTAAACTTTTTTTTAAATTAACTAAAGTTGGTATTTCACTAGGACGATTTAGCAGATG
AAATGGGTTTTAAGTTTAGAACACCATTTCTTCTTCCTTATTACATTTCCCTTTTTAATGTTAGCCCTCNN
NNNNNNNNNNNNATATACACACACACACACACACACACTCTGCATCAAAAAAGCCTTCCTACATTAATACTT
GAGCATGATAACCTTACAATGAAAGGTAAATCATTAGTTGAATCATGAAACATTTTCTTCCCCTTGTGGAG
AAAAATCAAATTGCTTTTCCTCTGCTCTTACACCACAATCATCAACACAGTAGACTTCTGTGACCAAATGT
GTGGGGATTTCTCCCCACCAACAAGAAGCAATCAGTTCTGCAGAAGATACCACCAGCTGAGCACCTTCTAA
TCCAATTCAATTCTCATGCTATCTACCTGGAGATAGCATTAGATCCCACAGGCTGAGAGAGGGCTCAGTCT
CACAAGACTGCCCCCACTTCAGACACTAGTTGTAAGGCCAGGCCTCATCCAGAACTTCTGGCCAACCAGCT
TCAAGTCAGTGTTCCCATGACCCCCTTCTTAGGTTTGATTAATTTGCTAAAGCTGTGCCCAGAACTCAGGA
AAACACGTGTACTGGTTTATTATAAAGAATAGCACAAAGAATGCAGATGAAGAGGTGCACAGAACAAGGCA
TGTGGGAAGGGGTGCAGAGCTCTCATACCCTCCCTGGGTGCACCACCCTCCAGGACCCTCCACGTGTTCAG
CTATCTGGAAGCTCTCTGTACCCGGTCCAGGACTTCACTGGACCGTCACGANTGAAGCATGGACAACCGGG
TANAAATATGATTGGANNNN
Table3 4239
NAGATCATCAGGCATTAGATTCTCATAAGGAGTGTGCAGACTCATTCCCGCGCGTACACAGTTCA
CAGTAGGGTTTGTGCTCCAATGAGAATCTAATGCTGCTGCTGATCTGACAGTAGGCAGAGCTCAGGCAGTA
ATGCTTGCTTGTCCACTGTTCATCTCCTCCCGTACAGCTAAGTTCCTAACAGGTACCAGTGTCTGAAGCCT
GGGGACTGGCGGCTGCTGGTCAAGGCCACATTAGTTTATTGTTAAGTGCAAGGTTTCTGGTAACAGAAATA
AAGAATTCAATTGATTCATCATCAAGACCAAATATATTTACTAAAGATCTACCTTAAATTCATTTTTTAGC
AGGTAGTATGGCATTGTGGTTAAGAATTTACATTTGTGAACATTTACCAGCTGATGACCGAGGTGAGCTTC
TGTTTCCTCCTGCATAAACTTGAGATTATAAAAATCCCCTAGTTGGCTGGGCACAGTGGCTCACACCTGTA
ATCCCAGCACTTTGGGAGGCCGAGGCAGGCATCACGAGGTCAGGAGATCAAGACCATCCTGGCCAACAGGG
TGAAACCCCGTCTCTACTAAAGATACAAAAATTAGCTGGGCGTGGTGTTGCACACCTGTAATCCCAGCTAC
TCAGGAGGCTGAGGCAGGAGAATCGCTTGAACCAGGGAGTCGGACATTGCAGTGAGCCCAGATCGTGCCAC
TGCACTCCAGCCTGGCGACAGAGTGACACTCCATCT
Table3 4241
GCGGCCGAGGTACTTCCCATTGTAAATCACATTTTTAGATAGTCCAGTGGCCAAAGCCCCCAGAC
GAACAAAAACACTCGTATCAGCCAAGACATGCCAGAGGCCTAGTGATTGTTTCCCAGTAGCTGAGGGCAGA
AGCCAGACCTCTTTCAATAAGGTTGATCTTTCACTGTATTAACACTGTATATAAAGGACTTTTATAAAAGC
TTGTAGTTATGGTGTTATTGTCATCATCCAGTTTAATGCCCTCTTTTTTCCAGTAAGAAAAGAAAGGTCTG
GGATAATCATGTTAATTGATTTGTTTACATTTTCATTTTAATTAGTAGCACAACTGAGAGTGAAAATGGAA
CCCAAATAGTCCATCTTTAGCATAATACTTTTTTTTTCTCCTCTAGTGGAGCTTATACCTTGCCAATTATTG
AATCTTGAACTCCTGACCTCGTGATCCACCTGCCTCAGCCN
Table3 4242
NATAGCGCCGGGCAGAGGGACCCGGCTACCCTGGACAGCGCATCGCCGCCCGCCCGGGTCGCCGC
GCCACAGCCGCTGCGGATCATGGAACATCTAAAGGCCTTTGATGATGAAATCAATGCTTTTTTGGACAATA
TGTTTGGACCGCGAGATTCTCGAGTCAGAGGGTGGTTCACGTTGGACTCTTACCTTCCTACCTTTTTTCTT
ACTGTCATGTATCTGCTCTCAATATGGCTGGGTAACAAGTATATGAAGAACAGACCTGCTCTTTCTCTCAG
GGGTATCCTCACCTTGTATAATCTTGGAATCACACTTCTCTCCGCGTACATGCTGGCAGAGCTCATTCTCT
CCACTTGGGAAGGAGGCTACAACTTACAGTGTCAAGATCTTACCAGCGCAGGGGAAGCTGACATCCGGGTA
GCCAAGGTGCTTTGGTGGTACTATTTCTCCAAATCAGTAGAGTTCCTGGACACAATTTTCTTCGTTTTGCG
GAAAAAAACGAGTCAGATTACTTTTCTTCATGTATATCATCATGCTTCTATGTTTAACATCTGGTGGTGTG
TCTTGAACTGGATACCTTGTGGACAAAGTTTCTTTGGACCAACACTGAACAGTTTTATCCACATTCTTATG
TACTCCTACTATGGACTTTCTGTGTTTCCATCTATGCACAAGTATCTTTGGTGGAAGAAATATCTCACACA
GGCTCAGCTGGTGCAGTTCGTGCTCACCATCACGCACACCATGAGCGCCGTCGTGAAACCGTGTGGCTTCC
CCTTCGGTTGTCTCATCTTCCAGTCATCTTATATGCTAACGTTAGTCATCCTCTTCTTAAATTTTTATGTT
CAGACATACCGAAAAAAGCCAATGAAGAAAGATATGCAAGAGCCACCTGCAGGGAAAGAAGTGAAGAATGG
TTTTTCCAAAGCCTACTTCACTGCAGCAAATGGAGTGATGAACAAGAAAGCACAATAAAAATGAGTAACAG
AAAAAGCACATATACTAGCCTAACAGATTGGCTTGTTTTAAAGCAAAGACTGAATTGAAGGTTACATGTTT
TAGGATAAACTAATTTCTTTTGAGTTCATAAATCATTTGTACCCAGAATGTATTAATATATTGCTATTAGG
TTAATCTGTTAACTGAATGCTTTGATCAGCATTGAGGTGATGCTCACCTCCGAGGACCTCAGAACTGGTGC
AGCTTCTCTCTCCCTCCCTCCCACAGACTGAACCTTTCGCCAGAAGCTGTCCTTATAACGCCTTATACGCA
TACACAGCCAGGAAACGTGGAGCATTGTTTCTCACAGAGAGTCTCCAAATAAAAAGGGTTTTGTTCAGATT
AAAATGTTTACAACAAAATGTTAATTATATTCTAAATACAGGGTATGTTCTAATCTATATTAAGCAATAAT

Table 6
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GCCAGTGCATAATCATTCCATTTGTTCCTTTAGCAATCAACCCCAGAAAATATTAAAATGGGATCATACAC
AGAAGATAGAAAAATCTAGCAAAACTTCTCTTTCTGTAAGCCAGAGTCTTGTCTATCAGATTCCCACAACC
ACTCCTGATTCTAAATTTAGTGATATGGTAATGAAATTGGTATTTATTTTAAATATTAGTTATTCTAAGGA
GAAAAAAATGCTTCTGCAAGATTTTCATAATTCAGGGGCTGTGGATAGGATTGTTCCTCTGTTTCCCTAAT
CATTCATCTGTTCATGTCTCCCTCTTGTGCCAGTCAGCCTAGGTTATACAGATGCCATGCTCCACACCACG
AGCAGTGTACAAATCTGGCTGCCCGTTTACTTTCTGAGCAAGCACTGGAGTCCACTCCGACCTTTTTCTTT
GAACATGCATGCTGCTGGAATATGTATAAATCAGAACTAGCAGAAGTAGCAGAGTGATGGGAGCAAAATAG
GCACTGAATTCGTCAACTCTTTTTTGTGAGCCTACTTGTGAATATTACCTCAGATACCTGTTGTCACTCTT
CACAGGTTATTTAAGTTTTTGAAGCTGGGAGGAAAAAGATGGAGTAGCTTGGAAAGATTCCAGCACTGAGC
CGTGGGCCGGTCATGAGCCACGATAAAAAATGCCAGTTTGGCAAACTCAGCACTCCTGTTCCCTGCTCAGG
TATATGCGATCTCTACTGAGAAGCAAGCACAAAAGTAGACAAAAGTATTAATGAGTATTTCCTTTCTCCAT
AAGTGCAGGACTGTTACTCACTACTAAACTCTACCAAGAATGGAAACAAAGAATATTTTCTGAAGATTTTT
TTGAAGATTAATTTATACCCTATAAAATAAAACTTGTTAGCTTCGATGAAGTCACTTCATCTTCTCTCCTA
CCTTATTTTTTTAAATAAGTTTTTAGGTCCTGACACTGACATCAAATACATGCACACCAGAAAGGCATTTC
CACCACCGTCCCCACTCATTAGCGTCCAGAGTGCCTTTCTCTCTCGGCTTTTTTTCCCCCCTGAGCTCTAG
TTTTAAACTTTCTCCTGTTAAAAAAATTGTACTTTTATTTCATGTAAACTGCCCCTCTGAGGATTTGGGCA
TATTTTTTGGAAGGTGCCTAATGCTTAGGATAGTCTCTAGGGTGATGCACTGCACCTGCTTCCTTCCCTTC
AGTGCGGCCGACCCATTTCTGTTGAACAGATGTCTCCTGTGTGATGCCCCTGACTCTTACATTTATCTTTC
TAAATCATTTTCTGAAGCTGACTTGCTCTAGGGTGCTTCATCACCACTTCCATCTTGCATCACCTTATAAC
TGTTCTGTCTTGTTCTCTCCCAGCAATTTATTTTAAAACAAGGGCTAGCTTCAAGCATGACTGTTAATGGC
TCCTCTGTGACAAAACACAAGTTGGACCAAGGAGAAAGCCCTTTGGAGAAACTGGACCCTAGTTCAGTTTA
GATCTCAAATATAGGCTGAAATCTCTTACCAAAGTGCGTTCCAGATAAAAATGAGACTTAGAAGACAGACT
GGTCTAATATGCTCACTGGTCATCACATTCAGCTTATTCTTACGTGCCAGTGAGGCCCTAAGGTCTCAGTG
CATAGCATACCTGCCACTCTGGATGTTTTCCTGGGCTTCATATCTGTATGGCAAGGAGGGAGCTGTCCTTC
AGCAGACAAAGTCAAGCAGCTTTAAGTACAAGGCAGCTTGAAACCTCTCTGATGAAAGTGAAAAATGTGGG
TAGCTTATACTTTCAAACTAATGCCAGTGACTAGAGAGAGGTTTCATTCATGATGTGTATTTCCAATTTGG
TCTTCAATTCAAGAGATGCTTCATAAAACACTTATAGCCTTAAACCATTCAAGGGCTAATTAAAAAAATAG
TTATGAAATCTTAGCCACAAAAAATAAATCAGGTAAACATTTTAACCTGTCGTTAAGTGTTGTAACTTCAA
AAAACCAAAATGCTTATTTTAATGTGATTTTTCTAAAACTATTGAAAAATTAATATTTCTATAATCTATTA
AAAAAAATGGAGAATGTTTTCTCTCAAATTTCCTCTGACCCATGGGAATGAAAATACTTAAATACTGTAAA
GCATATCTATTAATAATTCCCCCANTTTTTAACCACCAATGGGTGTTACCGNTGGGTTTACCTGGCNTTGT
CCGGCTCCAATNTATTCGNACCCNTGGGCN

Table3 4246

NATAAAGGGGAAGGGTTTTGTGTGGAAAAACGCCCTTGGAGTGTGACATTTCTGCGAGAATGCTT
AAATACCGATTTCCCGCAGGAACAATGGCGCTGTCTTCAGTGGCACAGTGGAGCAGCTCTGAAGATGCAAA
GGTAAGAGCTTAGTTAAGCTTAGTTTCCAAACTAAAGGAGTAAACCTGTTGATTTACAGGAATAGGAACTG
TTGCATCGTTTGAAATTTACTTTTTTTTTGTTAGATACACGAAAAAACTTCCAGAACATCTGGGAGAATATT
TAATGGAAAATCGCTTGGTTAAAACCTGACACTTTTAACAGGTATGTGTTGTTTTAGTACTTTATGATTGA
GCATAGCATTTAATCCACACCTAGACTAAATCAAATTTTTTTTGTCAGTGAACAGCGTTCTGAGTGTGGAC
GAGTAGCCAGTGAAGATAATGAATGTCGAATGTGACTGACTAGCAGCTTCATTTTGAAGTAGGTTGTATGG
CTTAAAAGTTCTGTAGTATTTGTACTATAATACTTGCCTTTTAGCATTACCTTGGTTTGTAGTCAGTGTCA
CAGAAGTGCAGTTTAATGTATTATGTGTACATATACAAGGTCTGATTGGGTCTAATCAATGATGAAACCTA
TCCCGGAAGCTGATAACCCTGAAGAAAAATAAGTACCGGATTCGGCCTCTGAGATTAAGACCAGTAATTCA
GAGGTGGAGTAAATTTTGTTGCCCGTGAATTTATAACAGTTGTGTTAAAAAATCCTGGGTTTTTTTTTTTT
CTGCCAACAGTGAGGGTCGCTGTCTGCCCATTGATAGAGGCCAGATTGTCTTGGAAGTTCCAAAGTTGCAA
CGATTTCTGTAAGTGGAGTTTTTCTGTTTGCTTAGAGATCAGTGAATATTGTGTCCTTGGTCTTATCTGTG
ATGATCTTATCCCGAACCTGAACTTCTGNNNNNN

Table3 4247

NAGGTCAAGTAAGGTAAATAGAGATTTTAAAAAAAATTATGACCACAAAAGGAAGTAACAGCCCT
TCCTGTCTTGCTGTAGTAACTGAACCATATGCGTTTATATCATGCTAATTGTGCAATTTATTTTTGAGTTG
GTCTCAAGTATTTTGGTTTCGAATGTGAAAGATATGTTAGATTTTGAAAGTGGTTTTTGTAGTAAAATTCT
CAGTTATTTTTTTTCTTCGCCAAGATACAGATTACCTTTCCTTTAAGCTGATCCTAAGGAAGTTATTTTTT
GTATACCTTCAGAGAGGGGATAACATCCCAAAGATATTAGTGTTCACAGAGGATGGATATTTCCTACGAGC
CTGGGATTTATACAGTTGACACACCTCATGGTATATTTGCAGCCAGTACTCTATATGGACCATCCCGTCTG
GGATCNCNNNNNNNNN

Table3 4248

ACTGGACTTGCCTAATTTCTAGGCATGGAGTTGGGGCTTGTAACAATGGTGGGAGATGGGCAGTG
CTTTGGGAATGTAGCTGACCACTGCATGGGTGCTAACTAGCCCAGGGATCTTAAAGAATTTGTGTAGGCCA
TGAGGATCCACTCCAGCCACTGAATAGTCATAGAATTGAATCTAGGACATCACCGTATGCTACTACCATGC
AGTTTTATCCCTTCTAAGAATCCAAATGCCCTAGTTTAATTTCTAAATTTTTGTTTTGTTTATTTTCACTA
AAGCAACATGTTAGTGGACTGCGGAGGGAAGTGAATTTCATGGCTGGTCCTCATCTTGATATCTTTTAATA
GGATCATGAGGCN

Table3 4249

ACCACAGTTACCACTGTCTGTTACCTCGCGAGTTCAAGTGCTTCACGTGAGACAGCTACCGAGAA

Table 6
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CAGGCCCCCTGGAAACTGGAAAATGCCAAGTAAATGTCATGCACAATTGTTGTTCACATTTTATCTCAATC
ACTTTTACCAAATCAGGCTAAACCCTGGGTATTCATAACGTCTTGGGCTGTACCCCCCGCGAGCCGGGGGT
GGCGGGCGGGGACGTCTGCTCGTCAGAGTCATTCAATGAAGATATAGCCGTGTTCGCCAAACAGATTCGCG
CAGAAAAACCTCTATTTTCTTCTAATCCAGAACTGGATAACTTGATGATTCAAGCCATACAAGTATTAAGG
TTTCATCTATTGGAATTAGAGAAGGT
Table3 4250
ccgccgcatcctcagccaccgtcgcagctgcctccgccaccaccgccgcctcctcttccttggcc
accccagaactgggcagcagcctcaagaagaagaagcggctctcccagtcagatgaggatgtcattaggct
aataggacagcacttgaatggcttagggctcaaccagactgttgatctcctcatgcaagagtcaggatgtc
gtttagaacatccttctgctaccaaattccgaaatcatgtcaTGgaaggagACTgGGATAAGGCAGAAAAT
GACCTGAATGAACTAAAGCCTTTAGTGCATTCTCCTCATGCTATTGTGGTAAGAGGCGCACTTGAAATCTC
TCAAACGTTGTTGGGAATAATTGTGGCACAAACATTTTCTGAAACTTCCATCAACTTTTTTCCCCTGACTG
CTGCTTTCTGTCATGTCAGAGGATGAAGTTTTTGCTGCTGCAGCAGAAGTACCTAGAATACCTGGAGGATG
GCAAGGTCCTGGAGGCACTTCAAGTTCTACGCTGTGAATTGACGCCGCTGAAATACAATACAGAGCGCATT
CATGTTCTTAGTGGGTATCTGATGTGTAGCCATGCAGAAGACCTACGTGCAAAAGCAGAATGGGAAGGCAA
AGGGACAGCTTCCCGATCTAAACTATTGGATAAACTTCAGACCTATTTACCACCATCAGTGATGCTTCCCC
CACGGCGTTTACAGACTCTCCTGCGGCAGGCGGTGGAACTACAAAGGGATCGGAGGCAGTTCCCATGTTAT
ACGCAGCAGATACTTACGGAGCATTGTAATGAAGTGTGGTTCTGTAAATTCTCTAATGATGGCACTAAACT
AGCAACAGGATCAAAAGATACAACAGTTATCATATGGCAAGTTGATCCGGATACACACCTGCTAAAACTGC
TTAAAACATTAGAAGGACATGCTTATGGCGTTTCTTATATTGCATGGAGTCCAGATGACAACTATCTTGTT
GCTTGTGGCCCAGATGACTGCTCTGAGCTTTGGCTTTGGAATGTACAAGTGAGCGAGTTCCATCTTTGGTT
GAGCTTTTAAGTACAGCATAGTCATAATACAGGAGAACTAAGGACAAAAATGAGCCAGTCTCATGAAGACA
GTTTGACAAGTGTGGCTTGGAATCCAGATGGGAAGCGCTTTGTGACTGGAGGTCAGCGTGGGCAGTTCTAT
CAGTGTGACTTAAATGGTAATCTCCTTGACTCCTGGGAAGGGGTAAGAGTGCAATGCCTTTGGTGCTTGAG
tGATGGaAaGACTGTTCTGGCATCAGaTACACACCAGCgaattcggGgCtATAAc
Table3 4252
NNNNNACAGTTCATTTAAGTTTTTTATTATCTGACTTACAGATATTTTATTTTCTGCTAACTAGT
GGTTGAGAATACAAATTATAACGGAGTTAAAAATTAAACTACATTTAAAAACACCACCCTAGAAAACATAG
TTTACCAAACACAAAAATCAATTTGTATTTATTTAAATTTTTTAAAAGTACCAATGAAAAAACTCTTCTCA
GTCATTAAAACATGAGTAACATGACAACTACAAAGCTTTCTCAGGAGTAATAATAGAATGGATAAGATTTA
GAGCCAAACAAGTGACTATGGGGACTCACCCATTTTCTATTTATATTGTATAGAACTCTTAAAACAAAGCA
AAATAAAACAAAACCTGATTTACTCTTTAATTCCCAGAAAAAGCTTTCCTTTTCTTCCACTCATTTGTATT
TCCTTAAACAGCTGTAAATCAGCTTCTTGTATTGTGCTGACAGAGAAAATAAACAGTGATTGCCATTACTG
AAATTTAAAGTTAAATATTAGGTATTTACATGAGCTTTTATGAAGAAATGGGGACAGCAGGAGAAATGAAA
GTCACCAAAAGTCATGAGACCAATAAACATTCTGAGAGAACATCAAGACATGAGATAGAAATCTCAACAGC
TTTAGTAATTTCTTGATGTCAGTAGTTAAATGATTAGTTGAAATTAAAATATTAGATTTGAAGTTAGTCAT
AGGCAATATTACAATTATTCTGCTTAATATAAAGTCTATTAAATTAATGATTGATTTAAAAGATGACTGAT
AATTCCTATAGTTCTGGAGCAAGAACTGCTGCTTTTGGTTTCCTTATTATATATCAAATTCTATCACCATA
TCATTAAGTATTCTCGGACGC
Table3 4254
ATAGGGAGTCGACCCACGCGTCCGGCCCTTTGAGGTGCTGAGCCTTCTTGTGTAGGGCCTAACAC
TGGAAAAACTGCCTCTTCCTTTCAAGGCCAACCTGCCCCTGCTGCAGCGGGAACTGCTGCACTGCGCTCGG
GCGGCCAAGCAGACCCCATCCCAGTACCTGGCTCAGCACGAACACCTTCTGCTCAACACAAGCATTGCATC
GCCTGCTGACTCGTCAGAGTTGCTCATGGAGGTGCACGGAAATGGGAAGAGGCCCAGTCCAGAGAGGTGAG
CAGATGAGCTTTGCTGTCCTTGCCTTCCTGGAACCGCACTGGTCCTCCCCTTTGCTTATAAAAGAGAGAGA
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GCGCAGTGGTGCAATCTTTGCTCCCTGCAGCCTCCATCTCCTGGGCTCAAGCGATCCTCTCACCTCAGCCT
CCTGAGTATCTGGGATTACAGGCACGTGCCACCATGAC
Table3 4256
ACCCCCGAATCTAAAATAAAAGCAGAAATTATATGAAAAAACTGGGGTGGGAGTTGGAAGGAACT
TTAGATATGTAATAAACTTGTTTGAAAACTGTTAATTTCTCATGCTTTCATTAAAAAATAATTTTCCTCAA
GAAACCCCAAATTCTCCACCTCAGGAATGAAAAGTGCATTTGAATTTCAAGAAGGTATGGGCATGAGAACC
TTGCAGTTTTCTAATTTGTGGAGACAAAATAATTTTTATAACACCAACCAGAGGTTTCCTCTACAAACCCC
TTGTAATTCCTTTCTGAGCTCTCTTCCTTCTAGAATCTTGGGGCATCTGAAAAACTCAAAGCTATGTAAAC
ACAACATATTGGTTGTTGGAGACAGGATAGCTTCTTGTCTTCTTTCCCTTGTGATATGGTTTGGCTGTGTC
CCCATCCAACTCTCAACTTGAATTGCATCTTCCAAAATTCCCACGTGTTGTAGGAGGGACTCAGGGGGAGG
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GGGTTTATCAGGGGTTTCCGCTTTTGCTTCTTCCTCATTTTCTCTTGCTGCTGCCATTTTCGCCTCCCGCC
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GTATGTCTTTATCAAGCAGCATGAAACGGACTAATACACCTTGTTTTCTCACTGTGGGGTTGTAAACATTT
GTAAATGNNNN
Table3 4257
NNNNNGTGAAATCAAATCCCTGCCTTTAGTTCTCCACAAAGCCCTGTTCTCCAATAGCACATGCG
TTTCTCTGTGAGCTGTATTCGCATCAGCGCCGGAAGCCTCAGAAAGAATGCGTGTTTACACTCTGTACGCG

Table 6
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GGGATGAGCCTGATGTTCCAGACCGCGCTGCAGCAGCTGGATTTGGGACTGATGGAGATGATCAATAGGTA
ATTAATGAAGCTATATCTGTGCCACAGGAAGTAGCAGACATGAACTATCCATCAAACAAATCATAGTGTAA
TAATTGTGCAGGT
Table3 4260
CGAGGCGCCGCGCGCCCGCGTACTGCAGCCGCCTCAATATCCCCTTCCCCTTCATCGTCTTCGCT
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CTGTTTCAAAAATGAAGACAATGAGACTCTGGCATGGGAGGGTGTGATGAAGGAAAACTACCTTGTCAAGA
TCAACACAAAAGCCAACGACACCTCAGAGGAAATGAGGCATCGATTTAGACAACTGGATACAAAGCTTAAT
GATCTCAAGGGTCTTCTGAAAGAGATTGCTAATAAAATCAAATAAAACTGTATGAACTCTAATGGAGAAAA
ATCTAATTATAGCAAGATCATATTAAGGAATGCTGATGAACAATTTTGCTATCGACTACTAAATGAGAGAT
TTTCAGACCCCTGGGTACATGGTGGATGATTTTAAATCACCCTAGTGTGCTGAGACCTTGAGAATAAAGTG
TGTGATTGGTTTCATACTTGAAGACGGATATAAAGGAAGAATATTTCCTTTATGTGTTTCTCCAGAATGGT
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TTTTCCTTTAATCTTATTTTTGATGAACACATATATAGGAGAACATCTATCCTATGAATAAGAACCTGGTC
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GGCAGTCTCTTGCTCTCTTGGACTCACCAGGCTCCTATTGAAGGAACCACCCCCATTCCTAAATATGTGAA
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TCTACTTGAATTATTGTTTAATTAGTCAACCATAGATCTTCAAAAGAGAACAATTAGTTAACATGATAAAA
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Table3 4261
NNNGGTGTTGCATGGCGTCGCTTCTCTCTGTTTTGCTTCGTGTTTCTTTCTGTGCTTTGTTTTCT
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CTTCCTTGCCCACTTGAGAAGTGCACGCCCACTCACCCAACATCCTGGTCTCTAGGAAAGCCTCATGTGAG
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TAAACCCTTCGTTGGGGGCGGGGGCCACGGTTAGGAGACCTGGGCACGGGGTCCGAGAAGAATCGCGGCCC
TCGTCGAGGGTGGGGTTTCCCCACCCAAAAAAAAAAGGCGCGGGCAGCGCGTGTTGGCACCAACCCCAAGG
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Table 6
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AAAGACGAAACACATAGAAGCGCACAGCACACCGACACAACGAAACACCTAGCAACAGCAAACAGAACACA
AAACGACACAACAACCGCAAGACAAAACAGAGAGAGCAGANN
Table3 4263
NNCGTCCGGTGGTTGTCTAGTCTCTTCTGTCTTTAGAACAGTGGTTCTCAAACTTTAGTACACAT
CAGCATCACCTGGAGGGCCTTTTTTTAAAATAAGACACAGATTGCTGGGCTCATGGTCAGAGTTCCCAGTT
AAGTAAATCAGGAAATTTGTATTTCTAACAAGTTTATAGGTGAGGCCAATACTGCTGTTTTGGGAACTATG
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Table3 4265
GGGATATGGGCAGTGATTATGGCAGGTGGGATACCGCAATGAATGTGGCAGGTGGGATACGGCAG
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CTCTGCTTTCTTTTTCTTCTTAAAAGAGGAAACAGTCTGATCACTTTTACTA
Table3 4266
ACGTAACAGGACATCAATAAATATTAGTTGAATGGAAGATTAAATCAACAAAATGGGTGATGGAT
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Table 6
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TGTGTTTAGGGATTGTCTTCTAAATTCTTCCTAATTCATATAGCTGCTAACACTTCCCGCAGAGCTAAACC
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CCGGCCCCGCGGGGGAGCTCAATTGCCCTATAGTAGN
Table3 4268
ACTTTTCATTATTTACCGTTTATAATTTGGAGGTAAGACCATTAGACCCAAAGAACTTTTGTCTT
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GGGGCAAAGTGAAATTTTAATGAGTCTACAGAATGTTCTAAGTGGACTGGGTGGTGCAGCAGCTTCCTCCC
ATCGTGATATTTACAAGAATGCCAGGTCTCTCTTGACTGATAGGTCAATGGCTGTTTGATGTGCAGCGGCC
AATTGTCTACTATAACTACAGAATGAACCTGTATTTATGTGTACTGCTCGAACTAGAAAATTTAGCCACTC
TCTGCTTTAAGGCNNNNN
Table3 4271
GGCTCACTGCAGCCTCTGCCTCACAGGTTCCAGCGATTCTCCTGCCTCAGCCTCCCAAGTAGCTG
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Table3 4273
ACAGCATTATTAGCTGGGGCTTTCACTGAAAACCCCAGGGTCTCTTTCTATTGTCCCCATATGGT
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CTTGT
Table3 4274
GGGAGTCGACCCACGCGTCCGCGGGATCTGTCCGAGCAGGAAGCCAGCCTCAGCCCGGCCGCTGT
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TCCAGCTTCACCCGTACAGGTAGCCCCGCCGCCGCGCACCTGCCTTCGCTCCCGCACCGGTGACAGTGGAT
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Table 6
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TCTTGAATCCTTAATATGTGAATCCAGAGATAAGTTTATACGGGAATTATTTGAATCATCCACAAATAACA
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GGTAAGGACGACATGGAGATGTGTGAGCTGAATCTTGAGGAGACTGGCCTGACTCGGAAGCGTGGTGCTGA
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CTAGAAAGAGCCTTAATGTATTTGATGTATTCTGTGATAAGAGGTACTAATAGTATCCAGCACAGATTTGC
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TTCAGATTGTTTAAATGCCTAAAAGTTTTGAGATAAGTTTTGTTTCAATTAGAAAAGGAAATAGGTTTTAG
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AGAATCTTGTCCAAGTTGTTTCATTGATTTAGTAAGTGTTCTGCTTCCAACATCTTTCTTTTTAAGAAATT
CCTAGTGTCTTTTTTTGGCCTTTGAGGTTTTGGTAATTGTAGACCTGTTTCATAAGCTTTGTAATTCAGAAA
TCCTTGTATTTAGTAAGTGCTTGTTTTACATAACTGATAATTTTAAAATGTTTTCTTTGTGTGCTGTTAGT
ATTGATTCAAATGTCAGCAGCTTTAAGCCTAATATTTATGACTTTCACATTTGGAATTTAAAGACAAAAAT
ACATCAAGGAGTTATGCTGACATAATTCTAAGGAGTTTTGTTGTATTTTAGAATAAAATTATAAAGTAAAA
TGATTCTCTGTACTGCTTTTTCCCCCAGTTTTTAGAGACCCTAACCTTTGAAATGAAATTCCAGTGATTTC
TTTTTTCCCTAGAAAGATTACCTCAGTTAGGGAAGTATTTCCCAGCTGACTAGTGTTTGTGAGCCACAGAC
ACTGTCTTCAGAATTGCTTCTCTCATGTCTTAGTAGAGAAATATTTATTTATTATGATACATTCAAATGAT
TGTCAAGTTAAATTAAATGGTTGTGTCTGTGCTATTGAGAATGCAAATGTGATTATCTTTTGAAGGCTGTA
TTACTGCATAGCTTCACCCACCCTCGGGTCATTTCGTCCCTGTGATTGGGGACAGAAGGTGTAGCTACTGA
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TCTAATCATGTCACACAGCTGTCCTAGAACTTATCTATTTAAAATAGTTTCCTGAGTTAATTTTGGCCAGC
AGGGCAACTGCCCTAATTCAGATAGATTTACAGTAACCTACGTACAGTAGATGCACATACACACAGACACC
CCTTTGCTGGAGAAACTTAGGACCCTGTCAGCCTTTTAAAGGAAACAGCAGGAGTGGTGTCCTAAATGATG
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AAATGAGAGGACAGAATGTTTTCACATTTGATTCAATTTTAATATAATTCCTAATTGTGGTAACACAGTTG
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Table 6
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TATTGAGTTTTCTTAGTTGTAAAGTTGGGGAGATGGCACCTTCTCAGAGGATTGTGAAAATATGAGGAAGA
AACAAAACAGTGCATGTAGGAGCACAGGGCCACACAAAGGCATTCTATTGTTATGCTCATTCTGCTTCTGT
AATGACTTTTCATAGGTCATTCTTGTGAACCATTTTGTTTTGCAAGCAACCAAGGAAAGAACATCTTAAGT
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CAAATATGTAGATCATTGGTTTTTTTTTTACCTGAAGTAGCTTAAGAGTACTTGGATCAGTAGAATAAATA
TTTATTGAATCAATCAGTCAGCCAATTAATATGATGTTAGTGATAGACCTGCCTCCTTTTATGGAAGAGGT
AACAGATCCAGAGAGGTCAAGTAATTTAGTTGTAGACTGAAAAATATATCAAAGCCTTTGCTGCAATCATA
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GGATCAAGATATGCCCGGTGTATACATTCTTAGCACATAGGAATGGCACTGCCATACTGGAGAAGGTCAGC
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CAAAAggGGAATCTTCAGTAcAAATTTgttTTTTTAAAAATagatTtaagGCTGGGCGtggtgGCTCAcgc
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Table3 4275
NATAATTAACGCGGGGGGCTAGGTCCGAGGCAGGGCCGCGGGCAAGATGGCAGCGGCGCTGCGCG
TGCGTTGTTGAGTGTTCGGGACGCCGGCCTGCAGGCGCCATGGTCTTCCTCACCGCGCAGCTCTGGCTGCG
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GCTGCCTTGGGGGATGGGAAGGAACCTGAAGGCATTTTTTCCAGAGTGGTGCAGTACCACTGAGGACTGTT
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Table3 4278
NNNNAAATTGGGACAGGATCGGTATAGTGGCTAACGCTGGTAATCCCACCACTTTGGGAAGTCAA
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CTGTTTCTACTTTCTTAGAGGTCTGGTATCTAGTGAGCAGGCTGAGGCCTCAGGACTAGTTCAGTGTTAAG
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TTGTTTTTCCCTCAGTTGACTTTCCATCTTCAGTTCGAATACATTTATTGACCAAAATGGCAGACATTGAG
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TTCTTGGTTTCAGGTTTTTTTCCTAAATCGTTCACATACG
Table3 4283
NNNNNNNNNNNNNNNNNNNNNNNNNNAACCTGGAATGACATTTTTTTATTCCACAAGTATTTACTG
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AACCCACCATCTAGTAGGCGGAAGACAGACTATAAATACATAATGCAAGATAATTTCTGATGGTGGCAAGT
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AGCTGGTGAAGGATGGCAGAGTCCATGCAGGGCACCGTGGGACCTGATN
Table3 4284
CtacTAtaGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGGGAACAGCATATTTAAGTTC
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Table 6
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CACCTTTCTATACGACTTACAGGACAGCAGATGGGGAATTCATGGCTGTTGGAGCAATAGAACCCCAGTTC
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CGGGGCTCGTTTATCACCAGTGAGGAGCAGGACGTGAGCCCCCGCCCTGCACCTCTGCTGTTAAACACCCC
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TTGTGTGTTCAAATTTTTAAATATTCTGAGATACTCTTGTGAGGTCACTCTAATGCCCTGGGTGCCTTGGC
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CCGTTTCTACGAAATAAAAATAAAAAAAATTATCCAGGTATGGTGGTGTGTGCCTGTAGTCCTATCTACTCA
AGGGTGGGGCAGGAGGATCACTTGAGCCCAGGAATTTGAGGCCACAGTGAATTAGGATTGCACCACTGCAC
TCTAGCCCAGGCAACAGAACAAGAACCTGTCTCTAAATAAATAAATAAAAATAATAATAATAAAAAAGATG
TTTTtcCCTACAAAAAAAAAAAAAAAAaaa
Table3 4286
NACACTTACCCCCCTTGGACCTATCTTAACTATACCACTTCCCCCCCAATTTAATTGCCCCGACA
TTTTTTTTTTATATGTTTTCTTTATTTCTTTTTTCGCTATCCGGTATTACTCACGTTTCCACCCAAAGATT
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TGTCTTCTTTCTTTTCTTCCCTAATCTCCATAGGTGGCTTTTCCTGAAAAGCACACCCTTTCCGGGAGTGG
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CCCAGAGTGTAACCTCTGTGGTCCTGTTTCTGAACTCGAGTCGGCCAGCTGGATCTCCCACAAGGTTTCCT

Table 6
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TGTTAAAAGGGTGCTTAAGTAACCTGGCCGGCAGCACGACTTATGATGAAGCACGAAGAAGCCAGGTTCTG
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Table3 4287
CGCGTCCGTGAATCTTTTGCAGTGTACTGTGTGCAATACCAAGGGCATAGCTCCCTGTAATTTGG
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TGATTCAGAGAGTTTGAATTGTGGGGTGGGAGACTAACTTCAGCTCCAGGCTGCAGTAATGTGTTGGTAGT
TACACTTGAGGCATTTTTTTGTTGTTGTTAATTAACTCTATAGTCTCAAACTATTTTTGCAAATATATCAT
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CAAAGAGCCAGAATATTCTAAAGAGGTGATGAACAGAGGGGGTGGAAACTGCATCACAGATGTTTTCCAAG
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Table 6
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GTGAAGGATTTAAAATATGTATATGATACATGTAAATGTACAAACTTTAGAAAGAAATAAATCCAACAAAT
TTCAATCAAATGAAAGAAANNNNNNNNNNNN
Table3 4290
NNNNNNNNNNNNNNNGGCACCTAAATCTAAGCAAATTGCACTATGGCTCCATCTCCGGATTGGTCA
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Table3 4291
NNNNNNNNNNNNNNNNNNNNNNNACTTCTAGCATTAATTACGCCAGCCACCATGCTAGGTAACAAG
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TCCTACCAATGCATGCAGCCACTGTGCTGAATTCTGCAATGTTTTCCTTTGTCATCATTGTATATATGTGT
GTTTAAATAAAGTATCATGCATTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAATAGTCAGGATTATT
TTCGTTAAACTTATTATTAACAATTAGTCATTATAGTCTCCCTCAACTAGCAGATTCAGGGTTCGTTTCGC
TAATATTAAAACAGCGGCTATGAAAGATATGAAGATATGATTATTCATGATAACCAAGATCAGCTGTGTGG
TGTGTGTGTATGTGTGTAAAACATATAGATGCATTTGAAGATATTGATCAAAGGAATGCTAATTTGGGAAA
TTTTTCTGAGCTTTCCCCCCATTAACATTGGAACCCTTTTGCTAACCTTGTTAACCAGTGCTGTCAGCAGA
AGAACTTCCTGACTAACTAGAGCTTTCTGTGGAATGTCCTTTATCCCTCTGTCTAATACGGCAGCCACTAG
CCACATGTGGTTTTTGAGCCCCTGAATGTAGTAAGTGCAAATAAAGAGATGAGTTTTAAATTTTATTTAAT
TTTAATGAATTTTAACTTAAATGGCCATTAAGTCTCTAGTGGCTACCATATCAGACCGTTGAGGTCTATAC
ATCTATTTTGGTCACTACTGTTAGAATTTGAGTGAGAAATACAATGAGTGGGATGATTATCTTTTCATACA
ACATGGGGCATGTTAATTAATTTAGCTGAAATTTATTAAACTTCCTCCTTCATGT
Table3 4294
ACACCGGGACCACCAAAGGGCCATGAACTCTTTGTCAGTCAAGTCCCAAGGTCCCATAGAGAGCA
GATGGCCACTTTAATGTCACCTCAAGCCCTTAGGCTGTTTTTAGACATCCATCTCCTTAGTGGATGCTTTT
TATAGACCCCCATCCAAGACCTCACACATCTTGTAATTAAATTTCATCTGGTAGTATTTTGACTTTTTTTC
CAGCCTGTCAACACCTTCTGTGTTCTTACTTGTTGTATCTCAAATATTTGATACCCTTTTCAGTGTTGTAT
TAATCTAAAATTTGTTGTTTGTGTTTATGTTTTCATGAAGTTACTGTTAAAAAATATAGGAAGAAGAGAAG
GTTAAGATTTGAGCCCTTCAGTGTATAGTTGAGCTTGTCCTGGAAGACATCAGCCATTTAAGAATCACTAA
GTTGGCCGAGCGCGGTGGCTCACGCCTGTAATTCCCAGCACTTTGGGAGGCCGAGGTGGGCAGATTGCTTGA
GCCCAGGAGTTCGAGATGAGCCTGGGCAAGTGGCGAGACCCCGTCCCTATANN
Table3 4305
NNNNNNNNCTCCTGGCCACAGCCCTCCCGGTAGCTGGGACTACAGGCGCCCGCCACCAAGCACAG
CTAAGTTTTTTTATTTATAGTAGAGACGGGGTTTCACTGTGTTAGCCAGGATGGTCTCGATCTCCTGACCT
CGTGATCTGCCTGCCTCGGCCTCCCAAAGTGCCGGGATTACAGGCGTGAGCCACCGCGCCGGGCCTGATTT
CAGTTTCTTCCAGCCCTTCCTATTGTTAACATGGGGGTTGTGTTGAAGAATATAAAGTTACAAAGTCAAGG
AAGTAGGAAACATTTTTACAAGTATTATGTAGCCATCTTGGTGGGGCTGTGGTGAGGTAGGCTGCAAATGA
TTCTCCTATTTCTTTCCCTGAGTTCAGAACATAGGAATTAGATTGATAGACATCAACATACCCGCTTTATT
GCTGACTCATGACAACTAATGGGAAGACATGGCTCAGATGTGCAGCCACAGTGAGCTTCTGAACATTTCTT
CTCAGACTAAGCTCTTACACACAGTTGCAGTTGAAAGAAAGAATTGCTTGACATGGCCACAGGAGCAGGCA
GCTTCCTGCAGACATGACAGTCAACGCAAACTCATGTCACTGTGGGCAGACACATGTTTGCAAAGAGACTC
AGAGCCAAACAAGCACACTCAATGTGCTTTGCCCAAATTTACCCATTAGGTAAATCTTCCCTCCTCCCAAG
AAGAAAGTGGAGAGAGCATGAGTCCTCACATGGAAACTTGAAGTCAGGGAAATGAAGGCTCACCAATTATT
TGTGCATGGGTTTAAGTTTTCCTTGAAATTAAGTTCAGGTTTGTCTTTGTGTGTACCAATTAATGACAAGA
GGTTAGATAGAAGTATGCTAGATGGCAAAGAGAAATATGTTTTGTGTCTTCAATTTTGCTAAAAATAACCC
AGAACATGGATAATTCATTTATTAATTGATTTTGGTAAGCCAAGTCCTATTTGGAGAAAATTAATAGTTTT
TCTAAAAAAGAATTTTCTCAATATCACCTGGCTTGATAACATTTTTCTCCTTCGAGTTCCTTTTTCTGGAG
TTTAACAAACTTGTTCTTTACAAATAGATTATATTGACTACCTCTCACTGATGTTATGATATTAGTTTCTA
TTGCTTACTTTGTATTTCTAATTTTAGGATTCACAATTTAGCTGGAGAACTATTTTTTAACCTGTTGCACC
TAAACATGATTGAGCTAGAAGACAGTTTTACCATATGCATGCATTTTCTCTGAGTTATATTTTAAAATCTA
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Table 6
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TTTCTGGCCTGGAGCTACTTGGCTTTGTGACCTATGGTGAGGCATAAGTGCTCTGAGTTTGTGTTGCCTCT
TTTGTAAAATGAGGGTTTGACTTAATCAGTGATTTTCATAGCTTAAAATTTTTTTGAAGAACAGAACTTTT
TTTAAAAACAGTTAGATGCAACCATATTATATAAAACAGAACAGATACAAGTAGAGCTAACTTGCTAAAGA
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TTCTATGGGACATCGTTTAAAAACTATTGTTTATGCGAGAGCCTTGCTAATTTCCTAAAAATTGTGGATAC
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ATTTTACCCTATAAGGAGCTAACATAACTTTTGATTTAGTGTTATTCATAAAATTAGGTTAGCAGTTTATT
AACCTTTTGTATTTGCTCTGGCAATGTTTAATATCTCATAAGCTATACACACCTCGAAGCCATCAATGACA
ACCTTTTCTTGCTGAATAGAACAGTGATTGATGTCATGAAGACAATTTTATCTCCTTTTGCCTTCCATAAT
TTGTACCTGCCCGGGGCGGCCGCTCTAGAACTAN
Table3 4306
NNNNNNNNNGCTGGAACCTGGGAGGCGGAGGTTGCAGTGAACCAAGATTGCACCACTGCACTCCA
GCCGGGGTGACAGAGTGAGACTCCGACTGAAAATAAATAAATAAATAAATAAATAAATAAATAAATA
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TTTCTCTGGAAGTGGTGGTATTTGAGCAGGATGTGCACAAGGCAATTGAAATGCCCATAATTAGTTTCTCA
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TCACAACATTCACTATGTTTGCAAGGAATTAACACAAATAAAAGATGCCTTTTTACTTAAACACCAAGACA
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TCTGGTGGATGTTTTTGCAGGTTACTCTGAGAATTTTGCTTATGAAAAATCATTATTTTTAGTGTAGTTCA
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TACTTTTGCACAACTGAGAATCCTGCAGCTTGGTTTAATGAGTGTGTTCATGAAATAAATAATGGAGGAAN
NNNNN
Table3 4308
gtCCGGGGTGGAGGGGTTCATagTTCTCCCTGAGTGAGACTTGCCTGCTGCTCTGGCCCCTGGTC
CTGTCCTGTTCTCCAGCATGGTGTGTCTGAGGCTCCCTGGAGGCTCCTGCATGGCAGTTCTGACAGTGACA
CTGATGGTGCTGAGCTCCCCACTGGCTTTGGCTGGGGACACCAGACCACGTTTCTTGGAGTACTCTACGTC
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ACGTGCGCTTCGACAGCGACGTGGGGGAGTTCCGGGCGGTGACGGAGCTGGGGCGGCCTGATGCCGAGTAC
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CCCTGCAGCACCACAACCTCCTGGTCTGTTCTGTGAGTGGTTTCTATCCAGGCAGCATTGAAGTCAGGTGG
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GCGTGACAAGCCCTCTCACAGTGGAATGGAGAGCACGGTCTGAATCTGCACAGAGCAAGATGCTGAGTGGA
GTCGGGGGCTTTGTGCTGGGCCTGCTCTTCCTTGGGGCCGGGCTGTTCATCTACTTCAGGAATCAGAAAGG
ACACTCTGGACTTCAGCCAACAGGATTCCTGAGCTGAAGTGAAGATGACCACATTCAAGGAAGAACCTTCT
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ACCTGGTTGCTACTGGTTCAGCAGCTCTGCAGAAAATGTCCTCCCTTGTGGCTGCCTCAGCTCGTACCTTT
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aAAAAAAAAAAAa
Table3 4312
ACCGCGGTGGCGGCCGCTTTTTTTTTTTTTTTTATATTTTTAGTAGAGACAGGGTTTCACCGTGT
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GGCGTGAGCCACCCATCCGGCCTAACGAGACTTATTTTTACTCAACTAGATGGCGTTCATTCATTTGCTTA
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TGTCAGGATGACTGTCTACGTAATGGAAGCCCTGTCGCCAGCTTTTCAGCTTCCTTTCAAATTCCCCCAAC
TCCTTCTTTTTTTCACGCAGCAACTTGTCTCTTTCCATGGAAATGCCTGTTCTTCATTGAAATTAAGTCCA
TCTGGCATGATCTCCCTTGACTTCTTTCCTCTCTTTTTGAACATGTGTTGATCCTCAGCCCAGCAGATTGT
AAACTCCTCAAGGGCAGGTGCCCTGTTTTAATCCTTGTCTGTGTCCACATAATCAGGCATAAAAACAAGGG
GAGGGGAAGAATAGAGAGGAAGAAGGAGGGAGGGACAGAGAGAAAAAGGGAAAGGGAGATAACGTAAATAG
AGAAAAATGCAACAACATAATGGAGAAACACACAGAAAGAAAATCAGAAACAGAACCCCAAGGCATAAAAA
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Table3 4313
GAACATTGGGTTTAGTGCCTGGCAACTTGATGCATATGGAAGAGCAATGCCAAGTGATCTGACAT
AATACAAATTCACGAAGTGACATTCAATCACAAGCAAAGTTGGAAATTCCAAAGAGAAGTGGTGAGATCTT
TACTAGTCACAGTGAAGATGGGAGAAAATGACATACCTGCAGCAGATGTGGGCTGAAAATATCCTCTTCTC

Table 6
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TGCCCAATCAGGAATGCTACCTGTTTTTGGGAATAAACTTTAGAGAAAGGAAGGGCCAAAACTACGACTTG
GCTTTCTGAAACGGAAGCATAAATGTTCTTTTCCTCCATTTGTCTGGATCTGAGAACCTGCATTTGGTATT
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GCAGCTGGCTGCCCTCTGGCCCTGGCTGCTGATGGCTACCCTGCAGGCAGGCTTTGGACGCACAGGACTGG
TACTGGCAGCAGCGGTGGAGTCTGAAAGATCAGCAGAACAGAAAGCTGTTATCAGAGTGATCCCCTTGAAA
ATGGACCCCACAGGAAAACTGAATCTCACTTTGGAAGGTGTGTTTGCTGGTGTTGCTGAAATAACTCCAGC
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GATTCATCAGCATCGTCAAGCTGGAGAGTCCTCGACGGGCCCCCCGCCCCTGCCTGTCACTGGCTAGCAAG
GCTCGGATGGCGGGTGAGCGAGGAGCCAGTGCTGTCCTCTTTGACATCACTGAGGATCGAGCTGCTGCTGA
GCAGCTGCAGCAGCCGCTGGGGCTGACCTGGCCAGTGGTGTTGATCTGGGGTAATGACGCTGAGAAGCTGA
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CCATGAGTTCCATCGTAACTGTGTGGACCCCTGGTTACATCAGCATCGGACTTGCCCCCTCTGCGTGTTCA
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CCGGAGTGCAGTGGCTCGGCCCCCACGACCTGGTCCCTTCCTGCCATCCCAGGAGCCAGGCATGGGCCCTC
GGCATCACCGCTTCCCCAGAGCTGCACATCCCCGGGCTCCAGGAGAGCAGCAGCGCCTGGCAGGAGCCCAG
CACCCCTATGCACAAGGCTGGGGAATGAGCCACCTCCAATCCACCTCACAGCACCCTGCTGCTTGCCCAGT
GCCCCTACGCCGGGCCAGGCCCCCTGACAGCAGTGGATCTGGAGAAAGCTATTGCACAGAACGCAGTGGGT
ACCTGGCAGATGGGCCAGCCAGTGACTCCAGCTCAGGGCCCTGTCATGGCTCTTCCAGTGACTCTGTGGTC
AACTGCACGGACATCAGCCTACAGGGGGTCCATGGCAGCAGTTCTACTTTCTGCAGCTCCCTAAGCAGTGA
CTTTGACCCCCTAGTGTACTGCAGCCCTAAAGGGGATCCCCAGCGAGTGGACATGCAGCCTAGTGTGACCT
CTCGGCCTCGTTCCTTGGACTCGGTGGTGCCCACAGGGGAAACCCAGGTTTCCAGCCATGTCCACTACCAC
CGCCACCGGCACCACCACTACAAAAAGCGGTTCCAGTGGCATGGCAGGAAGCCTGGCCCAGAAACCGGAGT
CCCCCAGTCCAGGCCTCCTATTCCTCGGACACAGCCCCAGCCAGAGCCACCTTCTCCTGATCAGCAAGTCA
CCAGATCCAACTCAGCAGCCCCTTCGGGGCGGCTCTCTAACCCACAGTGCCCCAGGGCCCTCCCTGAGCCA
GCCCCTGGCCCAGTTGACGCCTCCAGCATCTGCCCCAGTACCAGCAGTCTGTTCAACTTGCAAAAATCCAG
CCTCTCTGCCCGACACCCACAGAGGAAAAGGCGGGGGGGTCCCTCCGAGCCCACCCCTGGCTCTCGGCCCC
AGGATGCAACTGTGCACCCAGCTTGCCAGATTTTTCCCCATTACACCCCCAGTGTGGCATATCCTTGGTCC
CCAGAGGCACACCCCTTGATCTGTGGACCTCCAGGCCTGGACAAGAGGCTGCTACCAGAAACCCCAGGCCC
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CTGTCGGCCCAGCCTGGCTCAGAGGAGGAACTCGAGGAGCTGTGTGAACAGGCTGTGTGAGATGTTCAGGC
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GGAAAGGACCACAGCAAACACCATTCTTTTTGCCGTACTTCCTAGAAGCACTGGAAGAGGACTGGTGATGG
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AAATCCATGTCCAGCCAGGCAACCAGCTGCTGCCTGTGGCGTGTGTGGGCTGGATCCCTTGAAGGCTGAGT
TTTTGAGGGCAGAAAGCTAGCTATGGGTAGCCAGGTGTTACAAAGGTGCTGCTCCTTCTCCAACCCCTACT
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CCCTGGCTCTATCATTTTCCTTTTTTGCCAAAAGGACCAGTAGCATAGGTGAGCCCTGAGCACTAAAAGGA
GGGGTCCCTGAAGCTTTCCCACTATAGTGTGGAGTTCTGTCCCTGAGGTGGGTACAGCAGCCTTGGTTCCT
CTGGGGGTTGAGAATAAGAATAGTGGGGAGGGAAAAACTCCTCCTTGAAGATTTCCTGTCTCAGAGTCCCA
GAGAGGTAGAAAGGAGGAATTTCTGCTGGACTTTATCTGGGCAGAGGAAGGATGGAATGAAGGTAGAAAAG
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AGTATAAGCCATACAGGCCAGGGACCCACAGGAGAGTGGATTAGAGCACAAGTCTGGCCTCACTGAGTGGA
CAAGAGCTGATGGGCCTCATCAGGGTGACATTCACCCCAGGGCAGCCTGACCACTCTTGGCCCCTCAGGCA
TTATCCCATTTGGAATGTGAATGTGGTGGCAAAGTGGGCAGAGGACCCCACCTGGGAACCTTTTTCCCTCA
GTTAGTGGGGAGACTAGCACCTAGGTACCCACATGGGTATTTATATCTGAACCAGACAGACGCTTGAATCA
GGCACTATGTTAAGAAATATATTTATTTGCTAATATATTTATCCACAAATGANNNNNNNNNNNNNNNN
Table3 4314
aGAGACAGGGTTTCACTACGTTGGCCAGGCTGGTCTCAAACTCCTGATCTCGTGATCTGCCTGCC
TTGGCCTCCCGAAGTGCTGGGATCACAGGTGTGACCCACTGCGCCCGGCCTTATCTGTCTCTTTAAGATCC
TATTGCATTTGGGATCCTGTAGTATTATGCCACTGCCTATTTACCTAATAATATATATTGAACATCTTTCC
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TCATTTTCCTGTTGAAGAATAGGTAGGTGTTTTCCAGTTCTTCAGTATTGCAAACACCACTACATTGAACA
TCTTTGTATCCATGTGCAAATATTCCCGCAACATACTGTGCTAGCTGTTCAGCCACATCACCTTTATGAAA
TTCTCACAGGAACCTGTGAAGGCTATAGGTAATTTGCCACATTCCACAGATGAGAAAAAGGCTAAGAGAGC
TTACATGTCTTGCCTGAGGTCTCACAACTCATAAATGACGGAGCCTAATTGAAGTAAAGATCTGTCTGACA
GCAGAACTCAAGTATTTTCTCTGATACCACGATTTACAATTGTGGTATATGATTCATATATGTGTTTAAAT

Table 6
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GTAAACATATAAACCACATGTTTATAAATTACTCATTTTTTTTCTTTTTCTTAGATGATTTCACAAAAGTT
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GAATAAAAACAGGGTTGAATGAGTTCCAGAAAGCAGGGTTCTCAACCTCGTGGACAGCAATCTGCAGAAGA
AGAGAACTTCAAAAAAACCAACTAGAAGCAACATGCAGAGAAGTAAAATGAGAGGGGcctcctcaggAAAG
aAGAcagctggtccacagcagaaaaatcttgaaccagctctcccaggaaga
Table3 4315
ACCCTGGGATAGGGAGCGATCTCCGAGCGAGGCGGCAAGATGGACGCGGGATTTTTCCGCGGAAC
AAGTGCAGAACAGGATAATCGGTTCAGCAACAAACAGAAGAAACTACTGAAGCAGCTGAAATTTGCAGAAT
GCCTAGAAAAAAAGGTGGACATGAGCAAAGTAAATTTGGAGGTTATAAAGCCTTGGATAACAAAAAGAGTA
ACGGAAATCCTTGGGTTTGAAGATGATGTTGTGATTGAGTTTATATTCAACCAGCTGGAAGTGAAGGCCTG
AACCAAAATGGAAGTTATTCCTTGCGTCTGAAGTATAGCACCATCACCTTATTAGGTCACAGCAGAGTGAG
TGTCCCAATGTCGCTCTGACCCAACTCCCTTGATGATGCAGTGTGTGTTTGGAGGTGAGTTGTGTAAAGTG
GCCAAACATCAACAACAACAACAAAAAACACAAACAGGAAAGAGCAATTGGGTAAAGCTGTACACTGCTCT
TTTAAAATACTATTATGAGATGGACATTTATGTGAAGCATGAGGGGCAATTCTGATTTGATTGGATATTGT
TTTTAAAGGAACTAAGGTCTTTGTAGCTGCATGTCAGCTAGTCATCAGTTACATTTTAGAGACAGGATTTT
TGTTTATACTTAAACTTCAGACAAATTGGCAGCATATAATTGTTCCTTTATACATGAGATAATATGATGAT
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AAAGAGTTCACCCTATGTTTTGACAGAACAGTTGGCATTTCAACTGATAAGGTATTTCTAGTTTTAAAATA
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CGTCTTTTGCAATTTAGATAAATGATATAACATTAAACTCAAGGTGGTTGAGTTGCAGTAGGGAGTCGGAA
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TGAAGACACCTGGAATCTGTACTTGCTTTGTGCTATTGAGCTGTGCTTGTTATACAGACCTTGTTGCTTGA
CCAACGGATTTAGCATTTAAAAACCCAATTATTTTTGAGAAATCTTGACCTCTTAGCACCTTGTGGACAGT
TGAGAATTTGAGGCATTGTTATAGATAGATTTATCCTTATATAAAACTCAGGCCTTTAGCTTAGCCCTCAC
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AGAATCCAGACTCCAAAATGATGCAAATCAACCTGACTGGATTTTTGAATGGAAAAAATGCTCGAGAATTT
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TTCAGCAAGTCCTCCAAGGCGAAGGCACAGGCCATCACCTCCGTGCAAGTCCACCACCCAAAACTCGGCAT
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TCCTCCTCAGAAGATGAAACGACGCCAAGAGATCCATGTGACGAAAGGAGAGCGTGGACGGAGGCGGAGAC
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ACCGCGACGGAATCCACAACCACAGCCAAGAGACGGACACGTACGTATACCCCAAGGACGAACTGAACCAT
CGCAGAGCAAGATAACCGCACCACAAACGCGAACACAAACGCAGGAAGAGCCCAAGGCAAAGAAGGAACAC
ACAGCACCAACAAAAGAAACGAAACCAACACCACAAAAGGGAACAAAAATAACCCAGACATGGCCGACGAN
NNNNNNNNNNNNNNNNNNNNNNNNN
Table3 4317
TTGAGACGGAGTCTCGCTCTGTCACCCAGGCTGGAATGCAGTGGCACGATCTTGGCCCACTGCAA
GCTCCGCCTCCCAGGTTCACGCTATTCTCCCGCCTCGGGAGCTGGGACAACAGGTGCCCGCCACCACGCTC
GGCTAATTTTTTGTATTTTTAGTACAGACGGAGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGAC

Table 6
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CTCGTGATGCACCTGCCTTGACCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACTGCGCCCGGCCAATA
ATTTTTTTAGTTTAAGTTCATTTTTGTCCCCGCTGATGAAAGTTAGAGCTGCTTCCTCCAGGCAGCCCTGG
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AAACTTGAGAAAAAATTCTCTATCACATCCACTCTTCTGGCATTTGTAGAATCTCTGGCCCTGGGTGTGTC
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AATATCCAGTTGATAACTGGAAAATGCTGGTTCACGGTTCTTTAGTAAAGATTAATAAGGGATCCCCATGT
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CCACTGCACACCGTTCCTCTCCATCTGCCCTTCCCTCCCAGGCCCCCGGTCGGGGGAGCAGGTGTGGCAAG
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CTGACATCATTGCCAGGAACGGGGCACTTTTTCGTCTTGTAGTTTGGCCCTCGGGTTTCCTCACTAGGTAT
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AAATTCTGCAGCAGAATATTTTTAAACATTCGCAGTTTTTTGTAAGCTATATTTTTGTATATTTAATTGCT
ATTTTAAAATTTTAATGCATTTTGCTAATCACTCCTCAAAAATAAAACATGCATGTAATTGACTCAAACGT
GTAAATAAAAGCAAATTTTGACGCAAGCACCTTCAGCAAGACTTGGAAACTCAAGGTGAGTAATTCTATCA
GAGCTGGTAACTAGTACTGAGTGATTGTGATGGAAGCCCCTGCCCTTCCTGTGGCATAGTGTGCAAGCGGG
GGTGGGGTCAGTGGTGAAGAGTGTGTCAGGCCACCACAGCCAGAGAACAGAGAATCCTGGAATGCAGAGTA
CAGTGGAGTCTGAAGCCCCCTGGCCTTCCTGAGCTCTGAAACAGCTGGATACAGATAAGCAGTCTTTCACG
TGAACGCCAGCACCAGGGTGACCTGAAATAGCCTCGTGCCGAATTCGGCACGAGCACACATCACAGGCTTA
AACTGTCTTAGAGACTTTNCAAGTGATTGGATCACAGGCTANGGATCTGTGCATGGTGCCNGTTGAAACCC
AAGTCTTCNCAGTGCTANGTGAGGGAGGGCTCAACCGGGGTAATGTGAATGGGGCTGTTGTCTTTTGCAAT
CCCTTAACATATTAACTTTGGACAAACCTTGATAGGCTTGCACCAAACCTTTCTAAACATTTTTATGGATC
ATCTCCN

Table3 4318

NNNNNNNNNNNNNNNNATGGACAAAGTATAATAATATTGAGGGACCTTTCTAGGGAGCCTTTGGTC
CTTTGTCCCCATTTTCCAAAGGGAGGGAACTTTCCTCTTAAAAGAGACAGTGGGAACTTTTAGCCAGGTTT
TTGGAAAAGGCCTGTGGGCTATTAATGAGAGTGAGCTGCAAAAGGAGGAAGGGTTTGTTTGGGTACTTTGA
AGTACTTAGCTAGGTGTTTTCTACAGTATCTTATATAATTGCATCTTACAGCATCTTTACATGCGAAATAG
TTTATCAGTTATCTTCAATTGCATATTACAAAATTCTGATTAAATTTTTCTTAAATAAGAAAACTATCATT
TCATATGACAAGAAATCCTATTTTAATGTTACTCCAAGGTTGGTTAATTCAGTGGCTCAGTGATAACACCA
AAGACTCAGTTTCTTGAAATTTTTTTGCTCTGCCATCCTCCATGTTTATCCTCACGCCAGTTCGCCTCATG
GTCCCAATATGGCTACTGTAATTCTGGGAAGGAAATGCTGACAGAACCGTGTCTGGCAAAAGAGAGACAGA
TTTTTCTGTGTCCTTCTAAAGCAAGGAAGTCTTCCCCTGGAAGCTCCAGCAGATACGGCCTCATGGCTTTG
CTAGAAATGGGTCATCTCACTCCTGTCATTGGCAAAGCAAGTAAGATCATCCATCAGGAGTGGCTTAGATT
AATGAATTATCCTTTGAGTCGTGTAGACTAGAAAGTTCAGTCATGTCTACTAGCAAGAAAGGAGATAAGGG
CTGTTGGATAAGCAGCATCTGGTCTCAAAGGTACTTCAACTTTTACAGATGAGAAACATGAATCAGAGTGA
CTTTCCCAGGCTCACAGCAAGTAAGAGAGGGCCTCCAGTGTAGCTGTGTCTGNNNNN

Table3 4319

NNNCAAGGTGCACNTAATCNGAATGCCGCGGACTNCAGCAGNACCGGNCACTGGCCCTCACTTCA
TTCCCCCGGGAGGAANGACCCAAAGTGAAATAAACAGCTTCCAAGTGCCCAAGGAAATGCTTGCTAGACAG
CTGTGATTCTCAACTTTAAAGAATTACTTTTCAAAAAGATTCTAGGGTTAAATTGCTATAGAACTTTATTA
TCTAACAACATTATTATTATTGAGAAGAGCAAGATAAGATATTTGCCAGTTCTGCTTGAATCTTTGCCTGG
AGGAGGAAAAATGTTTCATTGTGCAGGAAATGTATAAGGAAGCCTTACCTCCCTTTTCTCATCTCTTGAGG
ACTTAAAAGTGGAAATAACAATGGTTAGGGAAAGATTTCAGCTGTAAAGAATGGTTTTCTAGTTTTCTTGA
AATTTGTCCTGAACATTACCTTCACAGAGTAAAACTGTGCTACTGTCAATCTTAGACCATTTGATTGTTGT
CACTGAATTTGCCATAATCTGTAGACTAAAACTCACATACCACCCTTCTCTTACCACAGAGGTATCACTAT
TACAAAGAATCCTTTCCCTACTCATTCATATTCATCAAAGAACTACTTTAATTTTAGTAGCGTTCAAAATC
TGGTTTGAGTGGCTCTCTTACTTTGGTTCTCCTTAATGATTGCATGGTAATCTTGTTGGCTACTGCATTTG
TTAGTACTTGTTCTTAGGGAGCCATGTAACTTGTTTTCATTATTAGATCTTAGTACTGTTCACTACACACT
TAAAAAATGAGTGTCAAGTGCCTTTAGGGGAAGAACACTCTGCCTGCATGAAAATGTCTTAAAACTGAAGG
AAAATTTCAAGAACGCTCTTGATCAGAAGTCCAGACTGTAAACATAATCGCTGGGTCATGTCACTTGGAAC
CAGTACTCACATGAGGCACCAAATAAAGGAGATGATTTACCTTGGCTTCCGCCTCCTCTTCAGCAACCAGG
GCATCCATCCCCAAGCGCTGTCTTAACTCCNN

Table3 4320

NNCGCTCTAGAGTATCCCCATGCCAATAAGCCTCCACAGAGTGTGAGGTACATTACTCTGAGACT
GAGATCTTATAAAAGCCAGCCAAAACCATGGCATTTTTGCGCCTTCTGCCACCTCCACAAAAAATTATCAT
GGATGTTCATATTGTGCTTTTTCCTAGGAGAAATTTGGGGGGTTTACCATATGCAGTGGTACCCAGAAAAC
CAAAATGAGCTTAAACATTTTGAAAGATGTCAACAAAGTTATGCCCTTGGAAATAAGTTTGGTTTATGTAA
GAGCATTGTTCCTTTAATGTAAAGACACAATAAGTTTGGCTCGCATTGTAAAAGTTTGAAATCTCATTTAG
GTTTTGTTATCCAGAGTAGAAGATATGCAGGAAAAGATTCTGATGCATTTGGTGGATATGGGAGATCATGC
CTCCATATCAAGCGTGACAAAACTCTTACTGGAGTTAAATACCATAGATGTGTTAAACCCAGCAGCCCTAA

Table 6
2729/3331

ATCACAGCTCAATGACCTACAAAAAATTTGTGCAGGAGGGAAACCACATGAATGCAGTGTGTGCGGGAGAG
CCTTCTCCAGGAAAGCACAGCTTATTCAACATCAGAGAACTGAAAGAGGAGAGAAACCCCATGGATGTGGT
GAATGTGGGAAAACATTCATGAGGAAGATTCAGCTCACTGAGCATTAGAGAACTCACACAGGAGAGTAAGC
ACCCATGAATGTAGTGAATGTGGAAAAGCCTTCTCCAGAAAGTCACAGCTCATGGTCCATCAGAGAACCCA
TACAGGAGAGAAACCCTACAGATGCAGCGAATGCGGAAGAGCCTTCAGCCGGAAGTGCCGGCTCAATAGAC
ATCAGCGATCACATACTGGGAGAGAAACTCTATGGGTGCAGTGTGTGTGGGAAAGCCTTTTCTCAGAAGGC
ATACCTCACCGCTACACCAGAGACTTCACACAGGAGATAAGCCTTATAAATGCAGTGATTGTGGAAGACCT
TCTATGGTTGTCCATTCTATGGTGGTGCGGATCCTGNN

Table3 4323

aacagtCTGGATGGAgCAGTCAGagggtttgataaagtgctctggacccctcgggtgctgtCAAa
tggcgtccagttctcgcgcatcagtccagatggtgaagaaggctaccccggagagttaaaagtctgggtga
catacaccctggatGGCTGAGAGCTCatagtcAACTACAGAGCACAAGCCAGTCAGGCCACACCAGTCAAC
CTGACCAACCATTCTTACTTCAACCTGGCAGGCCAGGCTTCCCCAAATATAAATGACCATGAAGTCACCAT
AGAAGCGGATACTTATTTGCCTGTGGATGAAACCCTGATTCCTACAGGAGAAGTTGCCCCAGTGCAAGGCA
CTGCATTCGACCTGAGAAAGCCAGTGGAGCTTGGAAAACACCTGCAGGACTTCCATCTCAATGGTTTTGAC
CACAATTTCTGTCTGAAGGGATCTAAAGTATACACCACCCAGCCcggggtccagttttacaCGGGCAACTT
Cctggatggcacattaaaggcaagaatggagctgtctatcccaagcactccgggttctgcctgcagacct
agAACTGGCctcgATGCAGTCAATCaggcccgcttccctcCTGTGCTGCTGAGGCCTGGTGAGGAGTATGA
CCACACCACCTGGTTCAAGTTTTCTGTGGCTTAAGGAAGTGTGAAGATATGATCCAGTCCAGGGCTAGGCT
CAGCCACCTGTCTCCTGTCCAGAAAAAAGGTGAAGATTAAGAAGCTTTCAGAATGATTCTATGGATTAAAA
TCATACAAATGGTGGCTGTTCTGAGAATCAGTCTGGGTATTGATTTCCTTTTCCAGTGACTGGCTCCAGGC
CATGTCTAATGACCAGCTCGATTCCCTGTGCAGTTCAGAGGGCAAGTGAACCCAACCAACAATGTCGTCAT
CTAAGCCCTGACCCTAGCCAGGGACTCCCATGCTGCTGTTGGCTCCATCTCTCCACACTGCCTCTTTCTTT
TCAACTTTTTGCCCTTCCTTTCTTTAAAGCTATTCTCACATTGCTTTTTATTTCCTCCTCCTTCACCTCCAA
CCACTGTCAGCAGCACTCTGGAGTTTTCAAATGTCACATTAGCCTCACCCTGCATGCTAGGAGATGGACCT
GTCTCTATACAGCAGTAGATGATTGATAAGTGAGGAAACTGAGGCTTACAGAGGTTGAAGACCAACAAGCT
AATAAATAAAAAGTTGAGGCCGGGCACGGTGGCTCACGCCTGTAATCCCAGCACTTTGGAAGGCCGAGGCA
GGCGGATCACGAGGTCAGGAGATCGAGACCATCCTGGCTAACACGGTGAAACCCCGTCTCTACATAAAAAA
TTAGCTGGGTGTGGTAGCACGCACCCGTAGTTCCAGCTACTTGGGAGGCTGAAGCAGGAGAATCGCTTGAA
CCTGGGAGGTGGAGGTTGCAGTGAGCCGAGATCATGCCACTGCACTGGGCAACAGAGCAAAACTCGATCTC
AAAAAAAAAAAAAAAAAAAAAGGAAAAAAAAGCAGCTCTCTCTCTCGGGAGAGGGAGGGGACTTCCGAGAG
GAAAAGGCCTGCAAGAGCCTTTGGGTTAACTGAGAAAGCACAGCCCGGCCAACGCTTGGGAAGAAAGACAG
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TTGAAATAAAACCAAAATCTGCATctttttaaaaaaaaaaaaaaaaaaaaaaannccctggtgggccgcc
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taggggggggtttaaattaattgggcgggttttaacaaaggggaaa

Table3 4324

ACGCGGGGGAAGTGGTAgcaGTTCCTCCTAACTCCTGCCAGAAACAGCTCTCCTCAACATGAGAG
CTGCACCCCTCCTCCTGGCCAGGGCAGCAAGCCTTAGCCTTGGCTTCTTGTTTCTGCTTTTTTTCTGGCTA
GACCGAAGTGTACTAGCCAAGGAGTTGAAGTTTGTGACTTTGGTGTTTCGGCATGGAGACCGAAGTCCCAT
TGACACCTTTCCCACTGACCCCATAAAGGAATCCTCATGGCCACAAGGATTTGGCCAACTCACCCAGCTGG
GCATGGAGCAGCATTATGAACTTGGAGAGTATATAAGAAAGAGATATAGAAAATTCTTGAATGAGTCCTAT
AAACATGAACAGGTTTATATTCGAAGCACAGACGTTGACCGGACTTTGATGAGTGCTATGACAAACCTGGC
AGCCCTGTTTCCCCCAGAAGGTGTCAGCATCTGGAATCCTATCCTACTCTGGCAGCCCATCCCGGTGCACA
CAGTTCCTCTTTCTGAAGATCAGTTGCTATACCTGCCTTTCAGGAACTGCCCTCGTTTTCAAGAACTTGAG
AGTGAGACTTTGAAATCAGAGGAATTCCAGAAGAGGCTGCACCCTTATAAGGATTTTATAGCTACCTTGGG
AAAACTTTCAGGATTACATGGCCAGGACCTTTTTGGAATTTGGAGTAAAGTCTACGACCCTTTATATTGTG
AGAGTGTTCACAATTTCACTTTACCCTCCTGGGCCACTGAGGACACCATGACTAAGTTGAGAGAATTGTCA
GAATTGTCCCTCCTGTCCCTCTATGGAATTCACAAGCAGAAAGAGAAATCTAGGCTCCAAGGGGGTGTCCT
GGTCAATGAAATCCTCAATCACATGAAGAGAGCAACTCAGATACCCAATGATGTTAGCTGTGGAAGCTACA
AAAAACTTATCATGTATTCTGCGCATGACACTACTGTGAGTGGCCTACAGATGGCGCTAGATGTTTACAAC
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GATGTACTACCGGAATGAGACGCAGCACGAGCCGTATCCCCTCATGCTACCTGGCTGCAGCCCCAGCTGTC
CTCTGGAGAGGTTTGCTGAGCTGGTTGGCCCTGTGATCCCTCAAGACTGGTCCACGGAGTGTATGACCACA
AACAGCCATCAAGGTACTGAGGACAGTACAGATTAGTGTGCACAGAGATCTCTGTAGAAAGAGTAGCTGCC
CCTTCTCAGGGCAGATGATGCTTTGAGAACATACTTTGGCCATTACCCCCAGCTTTGAGGAAAATGGGCTT
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CACTTGCCATAAAACTTAGCTAAGTTTTGTTTTGTTTTTCAGCGTTAATGTAAAGGGGCAGCAGTGCCAAA
ATATAATCAGAGATAAAGCTTAGGTCAAAGTTCATAGAGTTCCCATGAACTATATGACTGGCCACACAGGA
TCTTTTGTATTTAAGGATTCTGAGATTTTGCTTGAGCAGGATTAGATAAGGCTGTTCTTTAAATGTCTGAA
ATGGAACAGATTTCAAAAAAAAACCCCACAATCTAGGGTGGGAACAAGGAAGGAAAGATGTGAATAGGCTG
ATGGGCAAAAAACCAATTTACCCATCAGTTCCAGCCTTCTCTCAAGGAGAGGCAAAGAAAGGAGATACAGT

Table 6
2730/3331

GGAGACATCTGGAAAGTTTTCTCCACTGGAAAACTGCTACTATCTGTTTTTATATTTCTGTTAAAATATAT
GAGGCTACAGAACTAAAAATTAAAACCTCTTTGTGTCCCTTGGTCCTGGAACATTTATGTTCCTTTTAAAG
AAACAAAAATCAAACTTTACAGAAAGATTTGATGTATGTAATACATATAGCAGCTCTTGAAGTATATATAT
CATAGCAAATAAGTCATCTGATGAGAACAAGCTATTTGGGCACAACACATCAGGAAAGAGAGCACCACGTG
ATGGAGTTTCTCCAGAAGCTCCAGTGATAAGAGATGTTGACTCTAAAGTTGATTTAAGGCCAGGCATGGTG
GTTTACGCCTATAATCCCAGCATTTTGGGAGTCCAAGGTGGGCAGATCACTTGAGCTCAGGAGCTCAAGAT
CAGCCTGGGCAACATGGTGAAACCTTGTCTCTACATAAAATACAAAAACTTAGATGGGCATGGTGCTGTGT
GCCTATAGTCCCACTACTTGTGGGGCTAAGGCAGGAGGATCACTTGAGCCCCGGAGGTCGAGGCTACAGTG
AGCCAAGAGTGCACTACTGTACTCCAGCCAGGGCAAGAGAGCGAGACCCTGTCTCAATAAATAAATAAATA
AATAAATAAATAAATAAATAAAAACAAAGTTGATTAAGAAAGGAAGTATAGGCCAGGCACAGTGGCTCACA
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TGGTCAACATAGTGAGACACTGTCTCTACCAAAAAAAGGAAGGAAGGGACACATATCAAACTGAAACAAAA
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AACTTACAGGTCCTGCTGAAACTGCCCACTCTGCAAGAAGAAATCATGATATAGCTTTGCCATGTGGCAGA
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ccgcggaaagaaaccacagaagcgcacactcgcgcctacagcgcacaaaaacaatagaaaagcgaaagaaa
gacaacgcacaaccagacaaacacaaccgcacaccaacaagcgaggcgagagaggacgagagggaggatga
agggaggggacacgaagagagagacggaggagtgagagggaggaagacgcaagaaggagacgagagagggg
aggaagaggagcggaggaaaagagcggcgagcggagcgagaagagacggggagagaggcgggagccgaaga
acaggtccgaagcgccgaggggagagagcgggggggaggagggcgagagaaaacggagagaggagaggcaga
ggcagaagagggaagacggcgaaggaggaggagagagcacagaacgcaaagagcaacgaccaggagcggga
ggagaggagacaaacagacagacagacgaaaagagaagacagcgacgacagtgagacaagacaagaagaag
acaaagagcagatacgagacagggaacgagtagcagcggcgccacaacggacagaagcggcagagagcgaa
acgaaaggaaaacatgaagaaagaagagagcacagacgcagacaagacgagggtacaggagatgagaagaa
gaagataagcagaggagcagcagagagaaaggaagagaagagcgagacaggagaggcggagcaggagtgag
caaaaggcgggaa
Table3 4325
NGAGATGAGAGCTCACCATGTTGACCAGGCTGGTCTGAAACTCCTGTCCTGAAACAATTCTCCTA
CCTCAGCATCCCAAAGTGCTAGGATTAGAGGTGTGAGCCAACACACTCAGCCTAAGGATATGATATATGAA
ATTAATCCCTGAGACATATCAGTGAGGTTCTGATTAAAACAAGTAGAGAGTCATCTTCATTTTCAAGATGT
ATTATATTTTAGCAGTGTCCTTTTCTTGAAGTTCAAATTAACATTCATATTTGTATAGCTGACCTCTGCAA
ACATGGCAGACATGAGGATTTAATATGACTTTCTCTCAATTTCAGTTTATGTTCAGTTTTGGAATTGCAAG
AGAACAGCCTGTCCCCTAGTTTTCCTAACTAGCCTCTTTGGCAACAAGTGGGAAGATCAGTACTCCATGTT
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GGAGTCCCATTAAACTGACTCTAAAAATTCCTAAAAGAAGGCATGATTTATTATAAGCAAATGGCTAACCT
GGCTTTTTTGGTAATAGAATTTTAAATGAAAATAAAATTATACAAGATACACATTGTTTGGATTTTTAAAA
ACTCTATTAAATGTTTAAGTGGTTGTGAATATGAGGAATAATTAAATGTTAACCCCAGCTGATTAGTGAAC
ATATAAGAAAATGGGGGGAACTGATCCCAAAAGATCTTCTCTTCTAAGGAGAACTTCACTTGAGGGGCAAA
CACTAGAAGATACAATTGTTATTGTAAAACAAACACTAATGAGAGTCCGTCAAATAATTTTAAAAGAAAAT
AGAACGCATTTGCAACTTTCAAATGCATTTGATGCCCAACAATTTCATCACCTACCCTATGTTTAAAACTG
GGAGGCAATCCAGAAACTAAAAGGAATCAGAAATTTGCAAAAATATGTTTGCGATACACTATCCAACACTT
GTACTGACAACATTAGTGTAGATATTTCAACATATGTTAATTTTAAGGAGTAAGTTCGGCAGATGGGCTTC
TAAATTATCAAATTTCAATTAAGACGGACGC
Table3 4326
ACATGTAATATGCAGAGGTGTTTGTGAGCTGCAGCAGTAGTGTATCATTTGCATCTTTTGAACAA
TTGTCTTTGGGATCCATTGTGATGACATCTGTCTTTATTGGAGGAAAGATAATTCTTGATCAACTCCGTTT
TTATTATTCTCATGTCTGACGATACATCTGTGTTCTTTGTCCAGTGACTTTTCTGGCACCGTTAACCAGCT
AAATTTCATGTATGTGTCGTTAGTCTTCATGGTGTTCCCCTCCTGGGATCCCAGAATCGTGTTGCTCTTCT
TTTCTTGCCAATGTATCTTAATAACATCAGGGAAAAATTTCTCAAGAAGACAAAGGTATGTTCCAGCCTTC
TGGAGCTTTGTTTCAGCAATTGAAGGAAGAAAAATAGTGGGCTTGGGGGAAACATCTGCATCAAGTTGTTT
ATCAAGTGCCAGGCATTCTGGTAGGTAATTTCCATATTTAATTTCATTTAATCTTTATAACATCCACTTTA
GATAAATAATCTCCATTATCTTCTTTGTACCTCGGCCGCCACCGCGGt
Table3 4327
ACGCGGGGGAAGTGGTAgcaGTTCCTCCTAACTCCTGCCAGAAACAGCTCTCCTCAACATGAGAG
CTGCACCCCTCCTCCTGGCCAGGGCAGCAAGCCTTAGCCTTGGCTTCTTGTTTCTGCTTTTTTTCTGGCTA
GACCGAAGTGTACTAGCCAAGGAGTTGAAGTTTGTGACTTTGGTGTTTCGGCATGGAGACCGAAGTCCCAT
TGACACCTTTCCCACTGACCCCATAAAGGAATCCTCATGGCCACAAGGATTTGGCCAACTCACCCAGCTGG
GCATGGAGCAGCATTATGAACTTGGAGAGTATATAAGAAAGAGATATAGAAAATTCTTGAATGAGTCCTAT

Table 6
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AAACATGAACAGGTTTATATTCGAAGCACAGACGTTGACCGGACTTTGATGAGTGCTATGACAAACCTGGC
AGCCCTGTTTCCCCCAGAAGGTGTCAGCATCTGGAATCCTATCCTACTCTGGCAGCCCATCCCGGTGCACA
CAGTTCCTCTTTCTGAAGATCAGTTGCTATACCTGCCTTTCAGGAACTGCCCTCGTTTTCAAGAACTTGAG
AGTGAGACTTTGAAATCAGAGGAATTCCAGAAGAGGCTGCACCCTTATAAGGATTTTATAGCTACCTTGGG
AAAACTTTCAGGATTACATGGCCAGGACCTTTTTGGAATTTGGAGTAAAGTCTACGACCCTTTATATTGTG
AGAGTGTTCACAATTTCACTTTACCCTCCTGGGCCACTGAGGACACCATGACTAAGTTGAGAGAATTGTCA
GAATTGTCCCTCCTGTCCCTCTATGGAATTCACAAGCAGAAAGAGAAATCTAGGCTCCAAGGGGGTGTCCT
GGTCAATGAAATCCTCAATCACATGAAGAGAGCAACTCAGATACCCAATGATGTTAGCTGTGGAAGCTACA
AAAAACTTATCATGTATTCTGCGCATGACACTACTGTGAGTGGCCTACAGATGGCGCTAGATGTTTACAAC
GGACTCCTTCCTCCCTATGCTTCTTGCCACTTGACGGAATTGTACTTTGAGAAGGGGGAGTACTTTGTGGA
GATGTACTACCGGAATGAGACGCAGCACGAGCCGTATCCCCTCATGCTACCTGGCTGCAGCCCCAGCTGTC
CTCTGGAGAGGTTTGCTGAGCTGGTTGGCCCTGTGATCCCTCAAGACTGGTCCACGGAGTGTATGACCACA
AACAGCCATCAAGGTACTGAGGACAGTACAGATTAGTGTGCACAGAGATCTCTGTAGAAAGAGTAGCTGCC
CCTTCTCAGGGCAGATGATGCTTTGAGAACATACTTTGGCCATTACCCCCAGCTTTGAGGAAAATGGGCTT
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CACTTGCCATAAAACTTAGCTAAGTTTTGTTTTGTTTTTCAGCGTTAATGTAAAGGGGCAGCAGTGCCAAA
ATATAATCAGAGATAAAGCTTAGGTCAAAGTTCATAGAGTTCCCATGAACTATATGACTGGCCACACAGGA
TCTTTTGTATTTAAGGATTCTGAGATTTTGCTTGAGCAGGATTAGATAAGGCTGTTCTTTAAATGTCTGAA
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GAGGCTACAGAACTAAAAATTAAAACCTCTTTGTGTCCCTTGGTCCTGGAACATTTATGTTCCTTTTAAAG
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CATAGCAAATAAGTCATCTGATGAGAACAAGCTATTTGGGCACAACACATCAGGAAAGAGAGCACCACGTG
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CAGCCTGGGCAACATGGTGAAACCTTGTCTCTACATAAAATACAAAAACTTAGATGGGCATGGTGCTGTGT
GCCTATAGTCCCACTACTTGTGGGGCTAAGGCAGGAGGATCACTTGAGCCCCGGAGGTCGAGGCTACAGTG
AGCCAAGAGTGCACTACTGTACTCCAGCCAGGGCAAGAGAGCGAGACCCTGTCTCAATAAATAAATAAATA
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gacaacgcacaaccagacaaacacaaccgcacaccaacaagcgaggcgagagaggacgagagggaggatga
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caaaaggcgggaa
Table3 4329
CGCGGTGGCGGCCGAGGTACGCGGGGATTTGGAGCATGAACCCTATTGTGAACTGCTCATCTGAG
GGATCTAGGTTGTGTGCTTCATATGAGAAACTAATGCCTGATGATCTGTCACTGTCTCACTTTGCCCCCAG
ATGAGACCATCTAGTTGCAGAAAAATAAGCTCAGAGTTTCCACGGATTCTACATTATGATGTGTATTCTCA
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GAAGTTATGGAAGTTGTGGCCTTCAGAATTGACACTTACGGAGAGACTAGAACAGCGTGGGTGAGTTGTGA
GGGGCAGGAAGCATGTCTTAATGGACTTAACCAATTTTCGTCAACTATTCACAGTAAAATCTTTCAATGTA
CAAAATTTAATAATCTGATAAACAATAAACAAAATATTTGAATAGGCATTTTTCATAAGACGTACAAAGGG
CAGACAGGCATACGAAAAGGTGCTCAACATTTTTGATCATCAGACAAATGCAAATCAAAACTACAATGAGA
TATTACGTGACTCAN
Table3 4330
NNNNNAACTTGGGCGACAGCAAAAGACCCTGTCTAAAAATAAATAAATAAATAAATAAATAAACA

Table 6
2732/3331

AATATGTACAGCCATCCTTGTCTTCAAGCACTTTGAGAACATTTTAGCCATTGATGTTTACATGTGGCACC
CACCCATGCAAGATAGGTTTCTGTATTTATACATTAAAATACCAAAAAAAAAAGTATGAAATGCCTTCAAA
AATGTTCAAAGCTTGAGAGAAAAGCTTTTTTCATTAGTCAAGGTGTTTTGATATGGTATTAAAATAATATC
TAACAAAATGAAAAAAAAATTCTCTTTTCTCCATGAATGCTGACACTGGGGAGAATGGCAATTTTAGGCTG
TCAAGAGCATACTAAATAAGTAAAATATCTAGAAATGCAATCGACTTGCACGGGATATGAAAATTACTGGC
TTTCAGTCACTTTTGGCTATTTCATACTGGCAGAAAGTAAAAATTATGGAACACACAAGTAAGGCCTTATA
TTACATTACTATTAAATGATAAATAAAGCTACTATATCTTTTAAGATACATCTTTACTATTGTTAACTATA
ATTCAAAAAAATTCCAATTGCTTCAATAGCTCCAACATTTATAAGTGAATCAGGAAATAAATAATGGAAAC
GAAAAAAACAGTTCTACTGTTAAAAAAAAAAACAAACCACCACCACCATCTCTTGGGGCCGTGCACGGTGA
CTCAACACCTGTAATCCTTGCACTTTGGGATTGCAGGTGTGAGCCATCGTGCC

Table3 4332

ACCTAGAATTGTGTAGGAAGGAGGAGTAGCAATGACTAGATTTAAACCTAGAAATACAAGCAGGA
ACCTGGCTGTAAAAGGCTACACTTTATCTAAGAGACAGTGAGATATTAAGATGTAGAGTGTATCTGTTTGT
AAAAGGTTTAAACAGGTGAGAGTTTATCTCATGTAATAGGAAGTCCAGGACATTGGAAAAGGAAGTGGCGT
AAGCAGTCCAAAGCTCTAAGCAGCTCAACAATGTCGTCATCGACCCAAGCTCTTTCTCTCTTTCTACTTCA
CCATCCTTAGCATGTAGCTTTTATTGTCTTTGTCATAAAATGGCTGCTACATTGCCATGACTCAAGTTTTC
ATTCCAGGCAGGAAGAAGGAGAGAGAACAAAGGGTAAAACACCTTGTCCTCATGTGTCTTGCCTTTTTATT
CTAGAAAATAAAACCTTCCTTGAGAACTTCTGCCTACCTCTCACTGGCCAGAACTTAGTCACTTAGTGATC
TGTAACCACAAAGAAGGCTTGGGTTCAGTTCCTTTACTTCCTAGTGCTTCAAGTAAN

Table3 4333

NNNNAGGAAGCCAGTTTTTTGAAGATGGTTTATTTAACCATATCTTATCCTAGAGAGATGGCTGT
TTCTTTCCTGTTAATAAACTTTTACAAGTTCCTGAAACTTCAGAAAGTTTAAACAATTTTTACTTAAAAAA
ATGTAAAAAGAAAAGTCTCCAAACATTATTGTCATACTGGGGATCACACATTTTAAAACACATAGAAATAT
TTTTTAAAAATTATCAATTTAGCAGCAACAGGTAAATTCATTATCTTAAAAATATGGGAGAAGGATTAAGC
TTTGTAAGAGCTCGATCATGGATTCTTTTGAAATTGTGTGTAGTTTAATGGGAGAGTGTTTGGTGTATATA
GATGAGAATGCCATCACTTTGTTCCTTTCCATTTGAGACTGAACTGAAATCTCCCCTAGTAATTTTTATTT
TTTTAAAGGAACCCTTCTCCTTGTCCCCACAACCCCAGCAACAAAAGAAAGGAAGGAAGGAAGAAACAACA
GCTTAAAAAAAAAAGTAATCTGTAAAATAGTACAGTTGGATTGCTGAGAATCTATGTAAAGAGTTAGGAGA
TATAGGTTAATAATTTTTGGAACAAATTTTAAATATAGGCATTACTAGAGGAAAATTATCTATGGACTGTC
CTATTAATGAAGAATGTCTGTCTTACCTCCGTTTGTTTTGGGAGGAGGAGAAAATATAGAAGAATCTAATA
AGGAACAAGTGATTTTACTTTTTTAGCTCCCAGCTACTGTTGTGCTCGTTTTAATTGCTGTTTTGAAGATC
TGCTGCTTAATTATCCCCATCCCTTAGCCGGAGATGTGGAGTGTTTCCTTTCAGTTTTTGGTGATGTTGAA
TTCTTTTGTATTCCCTCCTGGGGCCAGGGGTCAGAATTCCCAAGCATGACCACAGCTTCTTTTAAACATTA
AGCTTCCCAGTGGGAAGGAAACTCCAGCTCGACAGGTAAAGGGAGTGGGTGGGGTTGCTGCCTGCAATTTC
TCTAAAACCGCTTTAGTGCCTTCGTACATACACCCAGACATCCTGAGCAAGGGGGACGCACATGTGTGTGT
GTGTGGTCCAGTCACTCCACAGATGTAAGATACTCACCCATAAAGGAAATTGGAGTGGTTCTGGACAGGCC
CCAAAGGCAGTGGGCTGAATTTAAAATAAATAAACAAACGTCAAGCAAGTTAATATGCTTATGTCTCAGTA
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GGTATTCTTTGGCAAGAGCCATGTCTACTAAGAGGTTAGGTGACTTCAGTATACTTATAAAATTCAGTGAG
AGTGCCTTCTTCTCTTCTACCACACTCTGGCATAGATACAGGCTTGCTGGTCACCTCTCATTACATAGATT
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CTTGATTACTAGTGGCTTAGAGGTGTGTACATCTCCTGAACATCACAAACTTGGTTTCTACCTACCACACG
AGTAGCCAAAAGAAAAGAAGCACTAATAGAGAAAGGGGTGTCTCACACCAGACAGAGGACCTCTGCTGTCA
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TGGATGGCTCATGTAACATCTCTGATCCCTCAGTCCCCAACCCTGGACGTGTTTCATTTACAACATTCATA
GGAGTTAACTTAGCAGTGTTGCAAGTTAAGGTTCCAAACCAAATTATTTAATCAGTGTCCCCCCAATAAAA
TCACTTATCCATTTATGGCTCACGTAGCTTTCAATTTATAAGCACCTTGGATTTCCTATGGAGGTATGCGC
CCGGTGGGAAGAAATTTTCCCCCTTCTTTCTGGCCTGAATGGTGCTAAGGTAGCCACTCGCGTTTTCCAAA
CCCCGGGGGCTGGCAATGGCATCAAACGGGTCCCCGGCAACAAAAGGGAAAAAACCTGGGGAGATGGGGCC
TCNNNNN

Table3 4336

ACATAAGCCTGACGATATGGTCTTGAGGGGTCATCCTAAGGCTGTTAGACCGAAATTAAAACAAA
CCTTACCAGTAGATCTGTGTTTGTAAGACAGCTCTATTTAGCAGGACCATGCTGATTATACCAAGAGATAA
GCCCCACAGAATGTAAGGGTGATCACTTCACCAAACATGGGCATGGCATTGCAATGTTCTAGTTTTTCACC
TCACAGAACAGCACAGATCTCACAATCACTTCGTTAAATAGCAGCGGATTCCTCAAGACATACAGTCCGCG
GTATGCATGAGCCTGAGTAAGAGGTTGACTTTAATTTTTTCAGCCTTGAAAATAAGAAAAGTTAAATGCTC
ACGTATATAATTGGTTCAATTATCACTAAAATAAAGCAGTGCTGA

Table3 4337

ACACTAGACCTAGAGCTCTGGGAACAAGTGGGAAGAAATCTTAAACGACGTGCGCAAGGGCAGTA
GGTCCCAGTAACATCTTAATGTTATGGTCCTAATAGGGTTGCTTTGGCCCTGCTCTTCATAGAAGAGCCCA
AAAAGATAAGGGAAGGGGAACCACTACCCACTTTAATGCCTCAGCCTCCCTCAGCCTTGCCGTCACTGGCT

Table 6
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AAAGATACCAAAGAGGAGACGGAGGTTTTCCTCCCCCTCCCCCCAATGAACTGGGAAGAAGACAAGCGATA
TACTACAGTTATGGGACCCTGCCTTAGGCAAGCAGCATTGGAAGGGGAACTCTTGGCCTGCCCAGTGATGC
AAGATCAACAAGGCAATTGGGTGCATGAGCCCATTACATTGAACACTTCTAAGGAAATAAGAAAAAGCATT
AGAGAAAATGGGGCCACTAGCCCATTCACAAGAGGATTAATTGAGGCAATAGCAGATAACTACCATATGAC
TCCATGGGACTGGTCAGTGCTAGCTAAAACAACTTTAGGAGGCGAGTCAATACCCCCTCTGGAGGGCAGAA
TATGATGAATTGTGTGAACAACAGGCTAACCAGAATCAATTGCCTGGACAAAACATCGGCTGCTATGCTCC
AGGGGAGGGGTCCCTATGTTAATGT
Table3 4338
NNCGAATATGAGCTCCAACGCGCGGGGCGGGCCGCCCGGGCAGGTACGCGGGGAGGCTCCTGGGG
TGGAGTCCAAATCACTCATTGTTTGTGAAAGCTGAGCTCACAGCAAAACAAGCCACCATGAAGCTGTCGGT
GTGTCTCCTGCTGGTCACGCTGGCCCTCTGCTGCTACCAGGCCAATGCCGAGTTCTGCCCAGCTCTTGTTT
CTGAGCTGTTAGACTTCTTCTTCATTAGTGAACCTCTGTTCAAGTTAAGTCTTGCCAAATTTGATGCCCCT
CCGGAAGCTGTTGCAGCCAAGTTAGGAGTGAAGAGATGCACGGATCAGATGTCCCTTCAGAAACGAAGCCT
CATTGCGGAAGTCCTGGTGAAAATATTGAAGAAATGTAGTGTGTGACATGTAAAAACTTTCATCCTGGTTT
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CACTTGCTCTCCACGTAAAAAAAAAAAAAAAACCAAAAGTACCTGCCCGGGCGGCCGCCCGGGCAGGTACT
CTTACTTGGCATGCAGACATGTCTGACTCCAGAGTGCTGGTTGTAGAATAGGAGAAAACAATCCCTTGAAG
ATAAACNNNN
Table3 4339
TACTTTTTAACTCTCTCGTTAAGAGATGACCAGAGCTGGGGATGCGGGCACCTGTCTTCCAGGCC
CTCTTGCTGTGTGGCCGCAGACTGGTGGTTCAGCCTCTTAACTCGGACATGAGGAAACTGAAAAACAGAGT
AGCAGCTCAGACTGCCAGAGATCGAAAGAAGGCTCGAATGAGTGAGCTGGAACAGCAAGTGGTAGATTTAG
AAGAAGAGAACCAAAAACTTTTGCTAGAAAATCAGCTTTTACGAGAGAAAACTCATGGCCTTGTAGTTGAG
AACCAGGAGTTAAGACAGCGCTTGGGGATGGATGCCCTGGTTGCTGAAGAGGAGGCGGAAGCCAAGGGGAA
TGAatgAGGCCAGTGGCCGGGTcTGCTGAGtCcGCancACTCAGACTACgtggCACCTCTGcAGcAGGTGC
AGGCCCAGttGTCAcccCtCCAGAACATCtCCCcaTGGATTCTggcGGTAtTGACTCTtcaGATTCAGAGT
CTGATATCCTGTTGGGCATTCTGGACAACTTGGACCCAGTCATGTTCTTCAAATGCCCTTCCCCAGAGCCT
GCCAGCCTGGAGGAGCTCCCAGAGGTCTACCCAGAAGGACCCAGTTCCTTACCAGCCTCCCTTTCTCTGTC
AGTGGGGACGTCATCAGCCAAGCTGGAAGCCATTAATGAACTAATTCGTTTTGACCACATATATACCAAGC
CCCTAGTCTTAGAGATACCCTCTGAGACAGAGAGCCAAGCTAATGTGGTAGTGAAAATCGAGGAAGCACCT
CTCAGCCCCTCAGAGAATGATCACCCTGAATTCATTGTCTCAGTGAAGGAAGAACCTGTAGAAGATGACCT
CGTTCCGGAGCTGGGTATCTCAAATCTGCTTTCATCCAGCCACTGCCCAAAGCCATCTTCCTGCCTACTGG
ATGCTTACAGTGACTGTGGATACGGGGGTTCCCTTTCCCCATTCAGTGACATGTCCTCTCTGCTTGGTGTA
AACCATTCTTGGGAGGACACTTTTGCCAATGAACTCTTTCCCCAGCTGATTAGTGTCTAAGGAATGATCCA
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AAAAAGCCAAAATAGAGAGTATACAGTCCTAGAGAATTCCTCTATTTGTTCAGATCTCATAGATGACCCCC
AGGTATTGTCTTTTGACATCCAGCAGTCCAAGGTATTGAGACATATTACTGGAAGTAAGAAATATTACTAT
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TATGTAAGGGTCATTAGACAAATGTCTTGAAGTAGACATGGAATTTATGAATGGTTCTTTATCATTTCTCT
TCCCCCTTTTTGGCATCCTGGCTTGCCTCCAGTTTTAGGTCCTTTAGTTTGCTTCTGTAAGCAACGGGAAC
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TAAATGGAGAAAGCACCTTTCAGAAGCTACACTAGCAGGAAAAAATTCCATCAAGCATTTACATAGTAAAT
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GTTCCCGTTGCTTACAGAAGCAAACTAAAGGACCTAAAACTGGAGGCAAGCCAGGATGCCAAAAAGGGGGA
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ATAAGTATTTTAGGGAAAACTACCACCCTTTTAAGATAAAAGTACAATCTTAAAAGCTGTAGTTCTCAATT
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TACACCAAGCAGAGAGGACATGTCACTGAATGGGGAAAGGGAACCCCCGTATCCACAGTCACTGTAAGCAT
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AGGTGCTTCCTCGATTTTCACTACCACATTAGCTTGGCTCTCTGTCTCAGAGGGTATCTCTAAGACTAGGG
GCTTGGTATATATGTGGTCAAAACGAATTAGTTCATTAATGGCTTCCAGCTTGGCTGATGACGTCCCCACT
GACAGAGAAAGGGAGGCTGGTAAGGAACTGGGTCCTTCTGGGTAGACCTCTGGGAGCTCCTCCAGGCTGGC
AGGCTCTGGGGAAGGGCATTTGAAGAACATGACTGGGTCCAAGTTGTCCAGAATGCCCAACAGGATATCAG
ACTGTAAGAGGCAAAAATTAAATGAAGTACAACTGTCAGAATACAATGGAAAATCTAACTGGAACACTTTG
TACTGGGTTCCATAATGTAAATTAGTCATTATGTGATAAGATGACCTCGGGACCCACCAGACCCATTTATC
TACACTTCACTCCATGTCCTATATTACCTGGAACTAGGAAGGTAGTTGATGTTCACCTCCAACCCCACCAA
AAACTAACTTCAACCCTCATCTGTCTAGTTAGGGATGTCAAGCATCAAACAGATGGAATTAACTGGTTATA
TAGCTCTTTAATAAGTCAGAATGATCCCTACCTCTGAATCTGAAGAGTCAATACCGCCAGAATCCATGGGG
AGATGTTCTGGAGGGGTGACAACTGGGCCTGCACCTGCTGCAGAGGTGCACGTAGTCTGAGTGCTGCGGAC

Table 6
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TCAGCAGACCCGGCCACTGGCCTCACTTCATTCCCCTtggcttccgcctcctcttcagcaaccagggcatc
catccccaagcgctgtcttaactcctggttctcaactacaaggccatgagttttctctcgtaaaactgatt
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tctctgggctggcaccatgagcggcagggcctgccgccggggctccgcggcggaggcggctgccccgacag
aagcagaactttagggtcccgtcgccggttcggcgcgctgccaccaccaccaatagctccagactacgcac
ccgcgcaccgcgccctcgccgatttaacacgcaggctctactag
Table3 4340
NNNNNNNNNNNGGTCTTCATGGTATCACATCACCAGGTCTTATATAACTTGAACCTGTATTCATG
CAACACTTTTCTTACTGGATTCCCAAACTCTTTATATCTTTCTCCACTCCATATTACAAATTAATTTCTAT
GACACAATTTTTTTAAATCAAAACTTCAATTTCACTCTCTTTTACTCAGTATTTAAACCTCAAACTACAGC
AACTGGTAATTTTAACACCCTTCCTAGAAAGTCCTAACAAATCTTACCTCCCACATGGGAAGGAGGGCCAA
CCTGTTAAACTCACTGTCCCAAGAATAACTATACTAAATTCTCCCCTTTTATGTTTCTGCTCTCATTCATT
CTCTTACGTAAAGCCATCCCTATTTCCTTTTACCTTTCCAAATCCCACCCATTCTTTCAAGGCCAGGGTTC
ACATCCCTCCTTAAGGATGTTTTCCTGGCCGGGCGCAGTGGCTCACACCTGTAATTCCAACACTTTGGGAG
GCTCANNNN
Table3 4341
NGCCCCTGGTTTTTTGCGCCCCCCTTTTTTGTTTTTTTTTTTTGCGACCGAATCTTGCTCTGTCAC
CCAGGCTGGAGTGCAATGGTGCGGTCTCAGCTGGACTGTTAACCTCCGCCTCCTGGGTTCGAGATTCTCCT
GCCTCAGCCTCCCAAGTAGCTGGGACTACAGGCACCCACCACCACACCTGGCTAATTTTTTTGTATTTTTA
GTAAAGACGGGGTTTCACTATGTTGGCCAGGCTGGTCTCGAACTCCTGACCTCGTGATCCACCCACCTTGG
CCTCCCAATCTTATTTGCTTTACAAGTCCTGCTTCAGGGTTACCTTCCCTGACCACTGCTGCCTCCCTCCC
AGCATTTGCCAGGGACTGTCATTGCCTTAGTTTATTTTTTCTGTTTTGTTTTTTTTTTGTCGTTTTTGTTT
TTTTTTTGAGACAGCGTCTTAGTCTGTCGCCAAGGCTGGAGTGCAGTGGCGCAATCAAAGCTTGCTGCAGC
CTTGAACTCCTGGGCTCAAGCAATCCTCTTACCTCAGCAACTAGGACTACAGGCACATGCCACCACGCTTG
GCCTTCTAATTTATTTCTGTGTCAACAAAATAAAACTCAGGCCTAGGAATAGCTTGGTTCAGAAATCACAG
AGGGACTTAGTATTCCATTAATACAAATGGAAACATTAAGTTCATCATCAGATGATAAAAGGAAAAAAAAA
AACCTGATACTCATCTCAAAAGACGCAGAAAAGACATTTGCATAAATCCAGTACCTATTATTATTTCAAAT
TTAAAAACTTCTTCTTTTTTAAGAGATAGGGTATCACTATGTTGCCCAGGCTGATCTTGAACTCTTGGCCT
CAGATGATCCTCCTGCCTCAGCCTCCCACAGTGCTGGGACTACAGGCATGAGCCACCACACCCATCATAAA
TTAAAACTTCTGAACAATCTAGTAACAAATGGAAATGCTTTCCCATGATCCAGCACATCTAGCAGGGGGTG
TCTGCTGACATTCTACACAAAGAGACACACTGGAGTTGTGCTTCTCATCATTTCACATTAAGAACCCAACT
GCACCTTTTTCTGTGCCTCTAAACACCTGTAGTCTGATAGGGGACACCCCCCCCCAAGACCTTAATCATTCA
CATTAACACCTTGAGACTTTTTGCCATATCTGACTGAATATAGCCAGTCATTTTTTCCCTTAAATCAAGTC
ACTTTTTTTTTTTTTTAAACAAAGTCTCATTCTGTTGCCCTGGCATGATCTCAGCTCACTGCAACCTCCTC
CTCCTGGGTTCAAGTGATCCTCGTGCCTCAGCCTCCTGAGAAGCTGGTATTACAGACGTGCACCACCATGC
CTGACTAATTTTTGTATTTTTAGTAGAGACAAGTTTTCGCTATGCTGGCTAGAAGTTAAAGGTCAGCCTGG
CCAGCATAGCGAATTTTTGTATTTTTAGTAGAGACAAGTTTTGCGGACN
Table3 4342
NATTCATAAGAAAAAAACATTTTATTTGCACTACATTGAATTATTCAACATTTTGTCTTATGTTG
AGAATTTCTTTAACCCTGAAAATTGTTTCTTCGTGTAATTCCAAGTAAACAATGAAGTTTATAAATATATA
AAGTACATGTCACATAGTACAGTCCACAACACAACCCCTAAGATCCTTTGTCACTATTCGACTAATCCTTA
TTATATTCTTATTTTTCATATATTCAAAAGGAATATTTGACAATGAAACGTCTAATATTTATAGAATATTC
TCTGGAATCCTTTCTATAATAATTATGCAAAACCATTATAAAATTATATATACAGGCAAGGGTAATTACTC
AAATCTAAAGTGCCATCACACATTTAAAAAGCCCTGACAATTACTATGACATTCCAGATCATAAGATGCTT
CACAATTTAAGACATGGTAGGCATGTGAAGAAGTTGAATCCATGAAATATAAAAAATTAACCTTAATCGAC
TGATTGCNNNN
Table3 4343
acaccacctgagtccagaaagggaggtgtcaacaaaagaagataagcccatacagtgcacacctc
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GGAAGAGACAGGATGACAAAGACTTAAGAGAAAAACGTTGTTTTATTTGTGGAAGAGAAGGGCACATTAAA
AAGGAATGCCCACAGTTTAAAGGCTCTTcAGGCAGTGCTTTTACATGAAGACAAAAAGAAACAAAAAACAA
CAATATTTTTGAGTCCCCAGTCAGGTAGCCTTTCCAGTAAATATATGACTCAGGGAAAAGCCTCAGCGAAG
AGGACCCAGCAGGAATCATGAGGGAAGGAAAATGCAGCACTCTAAATGGCCACTCAGGCGTTCCTATTCAC
TCGGAAAATTAGGTTCATTTCACAGGACACAGCAGTGTAGATCAGGCTTCAACTTAACATTTAAGGGAAAT
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ATCCCCATAGATTTAAGGATTTTAATAGAAAGTCATGATGTATGTATTTAAGCCACGTTAAAAGAAAAAAT
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TGTGCTGATAAACCCCAAGTAAATTAACCCTTTTTCCGTATAAATCCATTTTTTGTTTTGAAGAGGGGAAA
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TGGGCCTTCAGTGGATGGGCAGTGCCACTCAGGTCTCTGGGGTTTCCCTCTCTAATTTTAAGTAAATTGAC
ATATAACTACTATGCTTATAAAAATGAAGTAAGGAAAACAAGTAGTCCTGTTTGCCACTAAAAACATTTTC

Table 6
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AAAGGAAAAATAAAATGAAAGTACTTTTTACTTTTTATGATACTCAGAAATTAGGATGAAGAACTTTTAAA
ATTGCTGAAGATCAAAGAGGTTATCTCTGCCAGTCACAAGTGTGGCTGGTGTCATTCTGGGTCTGACTGGA
GCCCTCCTGGACTGTTTCTTTAATTTCAAAAGCCCTGCAGACATAGTACCTGGTCAGAACTATGCCTCGGT
TTATTTATCATTTTGAAATAAAATCAAAATTTCAACCTGTaAAAAAAAAAAAAAaag
Table3 4344
NNACGCGTCCGGAATTATCCATTTTTAATATTTAATATATCTCCTATCTGATAACTTAATTCTTC
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TTTTTTTTGGAGATGGGCACCGGATAATTCTCGACCCACGCGTCCGTGAAATCCCTGTTTTGAAATAAGTA
AACAGCCTAAAATGTGTTGAAATTATTTTGTAAATCCATGACTTAAAACAAGATACATACATAGTATAACA
CACCTCACAGTGTTAAGATTTATATTGTGAAATGAGACACCCTACCTTCAATTGTTCATCAGTGGGTAAAA
CAAATTCTGATGTACATTCAGGACAAATGATTAGCCCTAAATGAAACTGTAATAATTTCAGTGGAAACTCA
ATCTGTTTTTACCTTTAAACAGTGAATTTTACATGAATGAATGGGTTCTTCACTTTTTTTTTTAGTATGAGA
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TCTCCAGAGGATCAAAGCCACACCCAAAGAGTAAGGCAGATTAGAGACCAGAAAGACCTTGACTACTTCCC
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TTCTTTTGAAAGCTTTTAAAGGATAATGTGCAATTCACATTAAAATTGATTTTCCATTGTCAATTAGTTAT
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ACACAAATCAACACGACCCGAAGCGAAACCAGACACACCCAACAAAGGAAACAAACACAAAACGGCCAGAA
AAAGAACAGCAAATAACGCAGCAGGGATACAAAAAAACCAAGCACAGAAAGCGAGCAGACCAGAAACACGT
GGATAAGCAGCAACCGTACCCGCCGAAAGCGGCCGAAGACCGACAACCTACCCGCGAGAACGAGCAGAAAA
CGCAGAACCGACACGACCACNNNNNN
Table3 4345
ATGAACTACGTGAAACTGTAAAAAAATGATTGAATATCTCCATTTTTATATGGTTCAACCTAATA
GAATGTGAGAGGGCTCATATTTGAACCCAGGCCAATTTAGTTCAAAAGCCTATACTTTGCATTGTACCTGC
CCGGGCGGCCGAGGTACGCGGGGACCTCATTCATTTCTACCGGTCTCTAGTAGTGCAGCTTCGGCTGGTGT
CATCGGTGTCCTTCCTCCGCTGCCGCCCCCGCAAGGCTTCGCCGTCATCGAGGCCATTTCCAGCGACTTGT
CGCACGCTTTTCTATATACTTCGTTCCCCGCCAACCGCAACCATTGACGCCATGTCGGGTTATTCGAGTGA
CCGAGACCGCGGCCGGGACCGAgggtTTGGTGCACCTccAtTTGgaGGAAGtagggcAGggCCCTTATCTG
GAAAGaagTTtGGAAACCCTGGGGAGAAATTAgTTAAAAAGAAGTGGAATCTTGaTGAGCTGCCtAaAtTT
GAgaAGAATTTTTAtcaagaGCACCCTGatttggctaggcgcacagcacaagaggtggaaaCATTGTCTTA
TTTGCTTCCTGCCATTGTCCACATCAATCATCAGCCATTCCTAGAGAGAGGCGATGGGCCTATTTGTTTGG
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TTGAAGTCTACTTGTATCTACGGTGGTGCTCCTAAGGGACCACAAATACGTGATTTGGAGAGAGGTGTGGA
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TGAAGATTTCCTGAAAGACTATATTCATATAAACATTGGTGCACTTGAACTGAGTGCAAACCACAACATTC
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taaaggagacgatccaactaatcgacaaaaactcatgacatcaccacacgaggctaggacacaacatacta
tagcatgacag
Table3 4348
AAGAACTTTTAATAAAATAAAAACGGAGAGGTGAGCAAATCCAGCATATAAAAATGTGTCTGAAA

Table 6
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TAAGCTTTTTTTAAAAAAAGTTTCAAAATGGTTTATAAAATTGAGTTACAAACATGCTAGCTATTCCACAG
AAAAGTGTCCCTTTTCTACCCGGACATGCAACTTGACTACATTTCCCAGTCTTCCTTGTAGTTAGGGGCAG
TCATATGACAAAGTTCTGGCCAATGGAATGTGGCCAAAAGGTATGAGGCCTCTTCAAAACTGGCCCCATAA
GCCCCTCCCACTCAGCAGCCTTCATTCTCATCCATGTCTCTCCGTGAAATGGGGAAGATCCGAGTGTTACT
TGCTCAAATGCGAGACGTCTCATTTAGGAGAATACAATATTAAAGGTTTAGTGCATTAAAGGAAAGCTGGA
AAACTCAAGGGCAGAGCAAGTTCTGAAGAGTATGCGGAAGTCGTGGCTGCAGCCAAGGGTAACTTTCCTCT
GCCGGGTGACAAGGTCACAGGAGAGAAGTTTTAACTTGACTCCCAGGAAAGCAGTCTACACGGTTGTTCCT
CTCTGGAAATGGCTTCCTCTGTGACTCCCCGCGT
Table3 4350
ccggcgcggttgaggccttcggtggtgaACGAGTCTCCAGCACCATGTCTGGTTTGTCTGGCCCA
CCAGCCCGGCGCGGCCCTTTTCCGTTAGCGTTGCTGCTTTTGTTCCTGCTCGGCCCCAGATTGGTCCTTGC
CATCTCCTTCCATCTGCCCATTAACTCTCGCAAGTGCCTCCGTGAGGAGATTCACAAGGACCTGCTAGTGA
CTGGCGCGTACGAGATCTCCGACCAGTCTGGGGGCGCTGGCGGCCTGCGCAGCCACCTCAAGATCACAGAT
TCTGCTGGCCATATTCTCTACTCCAAAGAGGATGCAACCAAGGGGAAATTTGCCTTTACCACTGAAGATTA
TGACATGTTTGAAGTGTGTTTTGAGAGCAAGGGAACAGGGCGGATACCTGACCAACTCGTGATCCTAGACA
TGAAGCATGGAGTGGAGGCGAAAAATTACGAAGAGATTGCAAAAGTTGAGAAGCTCAAACCATTAGAGGTA
GAGCTGCGACGCCTAGAAGACCTTTCAGAATCTATTGTTAATGATTTTGCCTACATGAAGAAGAGAGAAGA
GGAGATGCGTGATACCAACGAGTCAACAAACACTCGGGTCCTATACTTCAGCATCTTTTCAATGTTCTGTC
TCATTGGACTAGCTACCTGGCAGGTCTTCTACCTGCGACGCTTTCTTCAAGGCCAAGAAATTGATTGAGTA
ATGAATGAGGCATATTCTCCTCCCACCTgtgtaacTCAGCCAGCAGAACATCGCTGGGACGTGCCTGGCCT
AAGGCATCCTACCAACAGCACCATCAAGGCACGTTGGAGCTTTCTTGCCAGAACTGATCTCTTTTGGTGTG
GGAGGACATGGGGTACGCGGGGATTCCAGGCTCTTCTGTGCCTGTGGGACTACATTCTCTGTGCCGGGCTT
AGAGAACACGAAGAGGGAGCCATCTGCCACACTCTGGAGGCTGAAGCCTGCACCAGTGCTGCTCGCCTCAC
TGTGGTAGGTGGTGGTGATGGAAACTGCAGATCGGCCAGAGTGGTAGAAAAGTTGCTGCAGGGTTTTTCTG
GCTTTGCCTGCCCAGCCGCTCCATGCCTGGCTAGAGGAGAAGGAGGAGCCACATGTGGTACACTGGAGGCT
GGAGCCTGCAGATGGCATGGCTCTGCGGCTCACCTTGCTGCAGTTGGTGGTGGTGACAGAGACTGCAGCTT
GACTGTAGTGAATTTGGAAATTATCTGTCTGGAAGCTCTGAGTTTATCTTGGGACCTCAAGAGGAGAGGAT
CACCCAACTCACAGCAATCAAACTCCAAATGGTGCTATAAACTGAACCACACATGGACACGTCAGTCTTCC
GAGGACCCTTAGATCAACCCCAGGAGGAGCCCTAGCTGCTGTTCCCCATTCGACGCCCCTTTCCAGCAGGA
AGTAGCCAGAAGACATCGTCGCCCAAACCTCTAACAGCAGTTAGTGCGGCATCTCCACAGGGGGGAATGTT
GTAGGAGTTATTGATAAATTATTTTAGGCAGATAGAGAGGAAAAGGGGTCCTTAGGAAGTTTTTGTTTTTT
AAAGCACGTCTGGAAAAGTTTCTTGTAAAGCTCCAGCTCTTAAAGCCAGGCCAGTTACCCGATATCCAAAT
GCCAGCCATTAGAAAGTGGGTCCACCCAAACATGGCGATTCCTGTGGACTTCTTGCCCTTTCCCCACATTC
CTGGATACATGGACACCCCGAAGTATCCCCACCTGTGTAGAAGATCATGGTGCCCTGCATTTGCATATTAA
AAGGCTAGGGTGGGAGAGCCAGCTTTTCCTGCGGGCTACGTGAATGACATGCCTAGTCAAACCAATCCCCT
GAGCCTGTGCAAATCAGACACTGCCTCCTCCAGCCTCTGTATATATACCTAGCTGGTATCTGTGGCAGGTG
GGGTTCCCTCTCTTGGCTTTGGGGCCCCCCTTCCTCTGTCTCTGTACCTGCCCgggcggCCGCTCGACTCC
CTGCTCCTCTCCCTATATTACTGATTGCACTGAACAGCATGGTCCCCAATGTAGCCATGCAAATGAGAAAC
CCAGTGGCTCCTTGTGGT
Table3 4351
CACCTGAACTTGTGATTCGCCTGCCTAGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCG
CGCCCAGCTTCAAAAAGTTTAAAGCAGAGCTCAGAGGTCTTAACCACAGGTACATCTGAGGAGCATTTTTG
AAACAGTTTCCAGCTTCCTCAACAGGAAGAGAAGCCAAATTCCGAATTTATGACTCCTTTGAGGAAGTCGA
GAGCTGTAAGGAAAGCCAGGAACAGGGGCAAGGGAGAGATGCATCCCGAATGATCCTGTGCCAATTCTTTC
TGGAATCTTTGATGTGATCTCAGCTGCCCTTTCTATACTTGACACAGTGATTGTGGCACCCACTGGTCTAG
CTGTGGTCTACAAGGAACCCCCAAAGGGAAGGGCACAGTGAGCAGGGGCATCGGCCTGAGTGACAAGGATT
TGAGAGGGCAGGTTGGATGCAGGGAGAGGACTGGCCAAATGCCATGTGTCTGGACTTAGACTGCCTGGTTC
AAATTGGACTTCACCCTTTTTGACCTCATGATCTAGTACGAGTTCTATGAAAAGGCGTTGCTCCTTTTCTA
GTCTGTAAAATCATCCTGAAATGTGCACTAATAAAGTGGAGACTACGCANNNNNNNNNNNNNNNN
Table3 4355
ACGCGGGGAGGCGCTTGCCAGTGCAATCTGGGCGATCGCTTCCTGGTCCTCGCCTCCTCCGCTGT
CTCCCTGGAGTTCTTGCAAGTCGGCCAGGATGTCTCAGTGTAGACCCTTGTCTGAGACCGAGCTATGTGGG
GCGACCTCTGGCTCCTCCCGCCTGCCTCTGCCAATCCGGGCACTGGGACAGAGGCTGAGTTGAGAAAGCTG
CAGAGGAGGTTAGGCACCTTAAGACCAAGCCATCGGATGAGGAGATGCTGTTCATCTATGGCCACTACAAA
CAAGCAACTGTGGGCGACATAAATACAGAACGGCCCGGGATGTTGGACTTCACGGGCAAGGCCAAGTGGGA
TGCCTGGAATGAGCTGAAAGGGACTTCCAAGGAAGATGCCATGAAAGCTTACATCAACAAAGTAGAAGAGC
TAAAGAAAAAATACGGGATATGAGAGACTGGATTTGGTTACTGTGCCATGTGTTTATCCTAAACTGAGACA
ATGCCTTGTTTTTTTTCTAATACCGTGGATGGTGGGAATTCGGGAAAATAACCAGTTAAACCAGCTACTCAA
GGCTGCTCACCATACGGTCTAACAGATTAGGGGCTAAAACGATTACTGACTTTCCTTGAGTAGTTTTTATC
TGAAATCAATTAACAGTGTATTGTTACTTTAAAAAAAAAAAAAAAAAAAAATTTTGGGGGGCTGGCCACGA
AAAGGTTCTAACCATCGGCTGGGGGCGCGGCCCGGTAGGGAAGTAACTGGCCATAGGGGTCCCAGGAGCCG
GGGCAGGATGGGGGGGTCTCACAAAAAAACGCGGGGAACCGGCGTTGACAAACAGAAGGGCTGGGCATGGC
TCACAGGCCCACCTAATCCCCGCGGGGGATAAAACAACAAACACAACAACAAACGGAACACACACAACACA
AGACAGGAAAAAGAAGCAAAAGAACGGACACGTGCACAGTAACANN

Table 6
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Table3 4356
NNNNNNNNNNNNNNNNNNNNCCCCCCNGGTNNTTTTTTCCCCGGNTTTTNTTTTTANCCTGGTTG
GCCCTTAANTTTCCCNGGTTTTCNGGGCCAGGGTCCCCTTGGAAGGTCTTTTGGGGGGGTTTAACAAATTT
TTAGCCTAAAACCTCCTCTATAACAAACATGCACACAATGGAAGTGATGTCGTAAGTGAGTGATGGGGCAG
GAAGGACCTAGGGCTCTGTCTCGACTATAAAATCACCTTGCCCCAAACAAATTTAAATTATAACTTAGGAG
GTTCATGGACTTTCATCCATTCTGGAAACAAAGAGAAAAACCAAATCAAATACCAGAATCTGTTTTCTCAC
TGGGCAAATAGCAACAGGATCCACAGTTTTACCACAATTGTTTCCCTGTCTCCATGTGGTATCTACATAAT
TCTTTTCCCAAAGGAGGAAATCAAATAACAGGCCAATCTGAGTAATTAAACTCCCCTCCCAACACTACCCA
ACCTCTGTGAATAAAAGCTTTCCAAACTTTGTGATCACATTTGAAATTGGTTCACTTATTATTGAGAGAAA
ACCACAAAAAGTCTCAATTTCATCACATCCTCAAACCAATCTTTTAATTTTTAAATGCAGAAGAAGAAACA
AAACGAAACAAAAAGATCATTCTGCAAAGAGACCTCTCAACTCTTCATCAGCCAGTGGCATAACTCAGAAA
CTGATTTAACTAATTTATTATTTGAGAAAAGGGGATTGAAAAACAATTGGGGGGTATAATCTTCTGATTCA
CAATTCCCAGCCACATTCTTTTCTATTTATTCTCTCTCTCTCTCTTTTTTTTTTTTTTTTTTTAAGAGCCGG
AGTCTTGCTCTGTCACCAGGCTGGAGTGCAGTGGTGTGATCTCAGCTCACTGCAACTTCCGTCTCCTGGGT
TCAAGAATTTTCCTGCCTCAGCCTCCCAAGTACCTGGGACTACAGGCACGCCCCACCATGCCCAGCTCATT
TTTGTATTTTTAGTAGAGACAGGGTTTCACCATGTTGGCCAGGATGATCTTGATCTCTTGACCTCATGATC
CGCCCGTCTTGGCCTCCCAAAGTGCTGGGATCACAGGCGTGAGCCACCACACCTGGCCCTCTATTTATTCT
CTTTAAAGAGAGAGAAAACTATGAGAGGCCAAAATTATTTAATTAATCTTTGCGGAN
Table3 4358
NCATCACTCCCGGAACTCACTGTATAGTCTTGCCTATTCTGTGCTGTAATTCTCACATCTTAACT
AAAGGAGCTACCACAACTAAACAAACAGACAAAAAAAAAATCAGAGTATACCTTCACAAAATAAGCAGTCTA
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ATTCCAGTAAGTCAGAGCAAAGAGAATGAAATCTGTAGCTCAGCTTGTTTATTTTTTGGGTTTGCTTCTGC
TGAATTTTGTTTCCCCCAAGTCAGAATACGAGTCTTTTTGTGTTCTCTCTCTTCTCTTATTCTTCCGAGAA
GTGAAGGTGGTGGGTGTACAGCCCATATTTGTTTACTTTTTCTGTAGCTCATATATCTATTATTACTGGTG
GTTTCTTAGTGGAAATTTTTCTTTCACTCTCACTTTGGCTTTACCTCCAAGTGCTTTCTTCTCTTGGCTGC
AATTGAGCACTATAATTTGTGGCTTTCCGGAGGGGGAGCCTTGGTGGTCAGGTGGAGGAGGCAGGCCACAT
TCCAAAAGTGGAGTGGTAGGTGTTCCAGACAGAGTGCTGATTCAAGAGTGAGTAGGGGTGTAGGGTGAAAG
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CCCCATATGCGCTTAGATTAATGACAGCCAACTAACTTAGAAACCCCTTCCAGAGTAAGCTAGCCAAACAA
TAGATGTTCCATGGACATGACAAAGAGCTAATTTTCTTGTGCTAAGGAATTTTTAGCTCTTGTATTTGTGG
TGGACTGCCTCATCACCTAATGAAGGTGAAGTACATTCTCCATTTTAGGAGGCAGAGTTAAAACATTTTCC
TCCTGTGGATGTCTGATTAGAAAAAAAAAAAAAACTCATACTTCACTGTACCTTTCCAGCAAGTCTTATCCT
CTCAAAGCACTGTGTAAAGCTTTGAAATTAACTGGTTCAGTGAGTAGATTATATTTTGGTACTTTCCTATT
TGTCCTTAAAAACATTTTCTGACTGTTGGATGTAAAAGAAGATATTAATGAAAGGTTGAAACTTCATTATC
ATTGATTCTTTTTAAACACCCCCCTTAATTAAT
Table3 4360
TCGACCCACGCGTCCGGGGGGCGGAGCGGCGGGCGGGGCGTCGCCGTACTAGGCCTGCCCCCTGT
CCGGCCAGCCCCTCGAAGCACCTACTCCACAGGTCCAGCCGGCCGGTGAGCGCCTGGGGACCGCAGAGGTG
AGAGTCGCGCCCGGGAGTCCGCCGCCTGCGCCAGGATGGAGTTCGTGAAATGCCTTGGCCACCCCGAAGAG
TTCTACAACCTGGTGCGCTTCCGGATCGGGGGCAAGCGGAAGGTGATGCCCAAGATGGACCAGGACTCGCT
CAGCAGCAGCCTGAAAACTTGCTACAAGTATCTCAATCAGACCAGTCGCAGTTTCGCAGCTGTTATCCAGG
CGCTGGATGGGGAAATGCGCAACGCAGTGTGCATATTTTATCTGGTTCTCCGAGCTCTGGACACACTGGAA
GATGACATGACCATCAGTGTGGAAAAGAAGGTCCCGCTGTTACACAACTTTCACTCTTTCCTTTACCAACC
AGACTGGCGGTTCATGGAGAGCAAGGAGAAGGATCGCCAGGTGCTGGAGGACTTCCCAACGATCTCCCTTG
AGTTTAGAAATCTGGCTGAGAAATACCAAACAGTGATTGCCGACATTTGCCGGAGAATGGGCATTGGGATG
GCAGAGTTTTTGGATAAGCATGTGACCTCTGAACAGGAGTGGGACAAGTACTGCCACTATGTTGCTGGGCT
GGTCGGAATTGGCCTTTCCCGTCTTTTCTCAGCCTCAGAGTTTGAAGACCCCTTAGTTGGTGAAGATACAG
AACGTGCCAACTCTATGGGCCTGTTTCTGCAGAAAACAAACATCATCCGTGACTATCTGGAAGACCAGCAA
GGAGGAAGAGAGTTCTGGCCTCAAGAGGTTTGGAGCAGGTATGTTAAGAAGTTAGGGGATTTTGCTAAGCC
GGAGAATATTGACTTGGCCGTGCAGTGCCTGAATGAACTTATAACCAATGCACTGCACCACATCCCAGATG
TCATCACCTACCTTTCGAGACTCAGAAACCAGAGTGTGTTTAACTTCTGTGCTATTCCACAGGTGATGGCC
ATTGCCACTTTGGCTGCCTGTTATAATAACCAGCAGGTGTTCAAAGGGGCAGTGAAGATTCGGAAAGGGCA
AGCAGTGACCCTGATGATGGATGCCACCAATATGCCAGCTGTCAAAGCCATCATATATCAGTATATGGAAG
AGATTTATCATAGAATCCCCGACTCAGACCCATCTTCTAGCAAAACAAGGCAGATCATCTCCACCATCCGG
ACGCAGAATCTTCCCAACTGTCAGCTGATTTCCCGAAGCCACTACTCCCCCATCTACCTGTCGTTTGTCAT
GCTTTTGGCTGCCCTGAGCTGGCAGTACCTGACCACTCTCTCCCAGGTAACAGAAGACTATGTTCAGACTG
GAGAACACTGATCCCAAATTTGTCCATAGCTGAAGTCCACCATAAAGTGGATTTACTTTTTTTCTTTAAGG
ATGGATGTTGTGTTCTCTTTATTTTTTTCCTACTACTTTAATCCCTAAAAGAACGCTGTGTGGCTGGGACC
TTTAGGAAAGTGAAATGCAGGTGAGAAGAACCTAAACATGAAAGGAAAGGGTGCCTCATCCCAGCAACCTG
TCCTTGTGGGTGATGATCACTGTGCTGCTTGTGGCTCATGGCAGAGCATTCAGTGCCACGGTTTAGGTGAA
GTCGCTGCATATGTGACTGTCATGAGATCCTACTTAGTATGATCCTGGCTAGAATGATAATTAAAAGTATT
TAATTTGAAGCACCATTTGAATGTTCGTAATAGGGCCCAATTGGGGCCATTTGGCCTTCGCCCATAGGAGG
GGGTTACAATAACTGGCCGGGTTTCAACCCGGGACTGGGGAAACCGGGGGGGCCACNNNN

Table 6
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Table3 4362
gcGTCCgcaaCGGGGaatgcgagtctgGTCCCTCGCGCTCCCCGCCCCACGCGCGTGACCAGAGC
GCGCTGGCCCGGCCCACCCGGGGCGGTTGTGGTCGCTATATATAAGGTGGGGAGGCCGCCGGCCCGTTCGG
TTCCGGGCGTTACCATCGTCCGTGCGCACCGCCCGGCGTCCAGATTTGGCAATTCTTCGCTGAAGTCATCA
TGAGCTTTTTCCAACTCCTGATGAAAAGGAAGGAACTCATTCCCTTGGTGGTGTTCATGACTGTGGCGGCG
GGTGGAGCCTCATCTTTCGCTGTGTATTCTCTTTGGAAAACCGATGTGATCCTTGATCGAAAAAAAAAATC
CAGAACCTTGGGAAACTGTGGACCCTACTGTACCTCAAAAGCTTATAACAATCAACCAACAATGGAAACCC
ATTGAAGAGTTGCAAAATGTCCAAAGGGTGACCAAATGACGAGCCCTCGCCTCTTTCTTCTGAAGAGTACT
CTATAAATCTAGTGGAAACATTTCTGCACAAACTAGATTCTGGACACCAGTGTGCGGAAATGCTTCTGCTA
CATTTTTAGGGTTTGTCTACATTTTTTGGGCTCTGGATAAGGAATTAAAGGAGTGCAGCAATAACTGCACT
GTCTAAAAGTTTGTGCTTATTTTCTTGTAAATTTGAATATTGCATATTGAAATTTTTGTTTATGATCTATG
AATGTTTTTCTTAAAATTTACAAAGCTTTGTAAATTAGATTTTCTTTAATAAAATGCCATTTGTGCAAGAT
TTCTCAaagattaggtatatatttaaatggaagagaaaatatttttatgggagaaaaatacatttgaaccca
tgaaatttcatcttttaaataacatccagtacagatatctgtg
Table3 4363
NCGACCCACGCGTCCGCTGACCTCTTGCCACAAACTACCACTTCTTTAGGCATCTCAGCAACGTT
TTGCAGGGAAATTGCTTCCACAACTAGCAGGACACAGAAAATGCTTTCCAAGAGTTCGTCAAATTTGGAAG
CATGGATTTTTATGCTACAGGAGTAAACAAACTTATTTCTCATTGGCAAAAATGTGTTGATTGTAATGGTT
CCTATTTTAATTAATAAAGATTTGTGTGAACCTAGTTATAATGACTTAAAATTCATGGTCCCAAACAGCAA
TTACTTTTGCACCAAACTAAAAATATAAGTTAAAATGGAAGAGTCTAGGAGCAAACCAAGAAAAGATCACC
TACTTCATCATCTCTGGTCAAAAACAAACCAAAAAACTTAACAGCTATCACTTAAGTTTGCTTCCTAGCAA
TTATTTAGCTTCCAGTCTAGATTACAGGATATATAAAACTTTCTTTCTTTCTTTCTTAACTATGACACTGG
CACCAATGAGAGTCCTGTGACTGACTTTCACATTTCCACCATTACTCAATTACTGGTACCATACCACCTCT
AATCCCCTAAATCAAACTGCAATTCAACAATAAAGGGCGTACAGAGATGACTTTGTCCTGAAGGAAAATGA
ATATCCTTGTACCCTCTATATAGCTAACTTCCAAATGTAAGAGAACTATGGGGTAACCTTTTGTTTCTATT
CCTATCAAGATGAGCCTTTAAGAGAGGGACTTTTATTAAGCTCTTGACCAAGAAGAATACACTTGATTCAG
AGTTTCTGATGCTCTTAATCAGAACTATATGTATTGTCTCAATATTAAATAAAGTCAAATGTTTCCATACA
AAAAAAAAAAAAAA
Table3 4366
caaattcatttggttttcctcaAattcgtgTaAAAAAAaaaaaacccaCAAACTTGCcATCTACT
ATTTCTcCAGGACTggcAGTCTGCCCTCAAAAGCTTCAGACAAGATTCATGAGTATAAGCCTGAAAAAGAG
AAACCTACAACACCCGGAAATCGGCCTACGTCCCCATATAAATCCCTTTACACCTCAGTACGAAACTCCCC
CATTATATTAGAAAATAAATAAAAGGTTACCATAAGTAAGTTCCAGAAAAACAACATATTGCCGACCTCAC
GGATTTTTACCAACCACTCGCTTTCCCTGTGGCCTTGGCACACTGGCATGCTGGTCTAGGATCCTCTACGC
ACAACGCCTGCTCGCCTCCTCCGTGTGGTTGCCAAGCCAAGCCGCCTGCTACCTTCATCACCAAATTGCAC
TCGCTCCTTCCTGGAATCCTTTTTCCTAGCTTCACCACCAAATCGTTAGCGCTCCTTCCTTCTTCCTAGCT
TCCTTCACCAAATCGCACTGGCTCCTGGACTCTTTTCCTATCTTCACCACGAACTGCTGCTTGCTCGCTTG
CTCCTCAGTCCTAGCTTCATCAAACACTGGTTCCTGGAATCCTGTCTGCTGCTGTCTTCCTAGATTCACTG
AATCCACTTCTGTGTAGCACCTGGGTCAGCTGTCAATTAATGCTAGTCCTCAGGATTTAAAAAATAATCTT
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TCCTTCACATTTTTCAAACTAAGCTACTATATTTAAGGCCTTCCAAATTCTTCTAACTCTTCCAAAAGCCT
TCTGCCTTAGTTTTTTTTTAAATTACACCAGTCCTTTTAGTAGCTTTTTGATGTGATTTTTAACCAACTTCC
CCTTCTAGCTTCAAGTATTCTTCTAAATTGGTTCTGGTCTACGTAAACACCCTCATCTTCTCAAGCTTTAC
CTTCTAACTTCTGCACCACCAGAAATTAAATTGATGGGCTTTTAAAATAAATTGGTTACCAATAATTTCCT
CATTTTTTCAGTGCTATTTTATCCAATTTTTGGCTTTATATTTTTCTATCTTCTATACTTCTCCAATACTT
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TCCAATTTTCTTCTAAGTTTGTACATTTTGCCCTTAGCTTTTTGTTTCCTAGCTTGTCTTTTTTCTTCTGC
TTCCTACTTTTCAGGTTTAAATTTATCTTTTTTCTTCTAAAAGTATGTTTTTATCTTCTAATTTCCCTATC
TTCTCTATTCTTTTCTTCGCCTTCCCGTACTTCTGTCTTCCAGTTTTCCACTTCAAACTTCTATCTTCTCC
AAATTGTTTCATCACCAAATTGCACTCGCTCCTTCCTGGAATCCTTTTTCCTAGCTTCACCACAAAATCGT
TAGCGCTCCTTCCTTCTTCCTAGCTTCCTTCACCAAATCGCACTGGCTCCTGGACTCTTTTCCTATCTTCA
CCACGAACTGCTGCTTGCTCGCTTGCTCCTCAGTCCTAGCTTCATCAAACACTGGTTCCTGGAATCCTGTC
TGCTGCCGTCTTCCTAGATTCACTGAATCCACTTCTGTGTAGCACCTGGGTCAGCTGTCAATTAATGCTAG
TCCTCAGGATTTAAAAAATAATCTTAACTCAAAGTCCAATGCAAAAACATTAAGTTGGTAATTACTCTTGA
TCTTGAATTACTTCCGTTACGAAAGTCCTTCACATTTTTCAAACTAAGCTACTATATTTAAGGCCTTCCAA
ATTCTTCTAACTCTTCCAAATTCCTCCCGCCTTAATTAAT
Table3 4367
ACGCGGGGGAAGTGGTAgcaGTTCCTCCTAACTCCTGCCAGAAACAGCTCTCCTCAACATGAGAG
CTGCACCCCTCCTCCTGGCCAGGGCAGCAAGCCTTAGCCTTGGCTTCTTGTTTCTGCTTTTTTTCTGGCTA
GACCGAAGTGTACTAGCCAAGGAGTTGAAGTTTGTGACTTTGGTGTTTCGGCATGGAGACCGAAGTCCCAT
TGACACCTTTCCCACTGACCCCATAAAGGAATCCTCATGGCCACAAGGATTTGGCCAACTCACCCAGCTGG
GCATGGAGCAGCATTATGAACTTGGAGAGTATATAAGAAAGAGATATAGAAAATTCTTGAATGAGTCCTAT
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Table 6
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CAGTTCCTCTTTCTGAAGATCAGTTGCTATACCTGCCTTTCAGGAACTGCCCTCGTTTTCAAGAACTTGAG
AGTGAGACTTTGAAATCAGAGGAATTCCAGAAGAGGCTGCACCCTTATAAGGATTTTATAGCTACCTTGGG
AAAACTTTCAGGATTACATGGCCAGGACCTTTTTGGAATTTGGAGTAAAGTCTACGACCCTTTATATTGTG
AGAGTGTTCACAATTTCACTTTACCCTCCTGGGCCACTGAGGACACCATGACTAAGTTGAGAGAATTGTCA
GAATTGTCCCTCCTGTCCCTCTATGGAATTCACAAGCAGAAAGAGAAATCTAGGCTCCAAGGGGGTGTCCT
GGTCAATGAAATCCTCAATCACATGAAGAGAGCAACTCAGATACCCAATGATGTTAGCTGTGGAAGCTACA
AAAAACTTATCATGTATTCTGCGCATGACACTACTGTGAGTGGCCTACAGATGGCGCTAGATGTTTACAAC
GGACTCCTTCCTCCCTATGCTTCTTGCCACTTGACGGAATTGTACTTTGAGAAGGGGGAGTACTTTGTGGA
GATGTACTACCGGAATGAGACGCAGCACGAGCCGTATCCCCTCATGCTACCTGGCTGCAGCCCCAGCTGTC
CTCTGGAGAGGTTTGCTGAGCTGGTTGGCCCTGTGATCCCTCAAGACTGGTCCACGGAGTGTATGACCACA
AACAGCCATCAAGGTACTGAGGACAGTACAGATTAGTGTGCACAGAGATCTCTGTAGAAAGAGTAGCTGCC
CCTTCTCAGGGCAGATGATGCTTTGAGAACATACTTTGGCCATTACCCCCAGCTTTGAGGAAAATGGGCTT
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ATATAATCAGAGATAAAGCTTAGGTCAAAGTTCATAGAGTTCCCATGAACTATATGACTGGCCACACAGGA
TCTTTTGTATTTAAGGATTCTGAGATTTTGCTTGAGCAGGATTAGATAAGGCTGTTCTTTAAATGTCTGAA
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GAGGCTACAGAACTAAAAATTAAAACCTCTTTGTGTCCCTTGGTCCTGGAACATTTATGTTCCTTTTAAAG
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CATAGCAAATAAGTCATCTGATGAGAACAAGCTATTTGGGCACAACACATCAGGAAAGAGAGCACCACGTG
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CAGCCTGGGCAACATGGTGAAACCTTGTCTCTACATAAAATACAAAAACTTAGATGGGCATGGTGCTGTGT
GCCTATAGTCCCACTACTTGTGGGGCTAAGGCAGGAGGATCACTTGAGCCCCGGAGGTCGAGGCTACAGTG
AGCCAAGAGTGCACTACTGTACTCCAGCCAGGGCAAGAGAGCGAGACCCTGTCTCAATAAATAAATAAATA
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TGGTCAACATAGTGAGACACTGTCTCTACCAAAAAAAGGAAGGAAGGGACACATATCAAACTGAAACAAAA
TTAGAAATGTAATTATGTTATGTTCTAAGTGCCTCCAAGTTCAAAACTTATTGGAATGTTGAGAGTGTGGT
TACGAAATACGTTAGGAGGACAAAAGCAATGTGTAAGTCTTTAATGCCGATATCTTCAGAAAACCTAAGCA
AACTTACAGGTCCTGCTGAAACTGCCCACTCTGCAAGAAGAAATCATGATATAGCTTTGCCATGTGGCAGA
TCTACATGTCTAGAGAACACTGTGCTCTATTACCATTATGGATAAAGATGAGATGGTTTCTAGAGATGGTT
TCTACTGGCTGCCAGAATCTAGAGCAAAGCCATCCCCGCTCCTGGTTGGTCACAGAATGACTGACAAAGAC
ATCGATTGATATGCTTCTTTGTGTTATTTCCCTCCCAAGTAAATGTTTGTCCTTGGGTCCATTTTCTATGC
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ccgcggaaagaaaccacagaagcgcacactcgcgcctacagcgcacaaaaacaatagaaaagcgaaagaaa
gacaacgcacaaccagacaaacacaaccgcacaccaacaagcgaggcgagagaggacgagagggaggatga
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acgaaaggaaaacatgaagaaagaagagagcacagacgcagacaagacgagggtacaggagatgagaagaa
gaagataagcagaggagcagcagagagaaaggaagagaagagcgagacaggagaggcggagcaggagtgag
caaaaggcgggaa
Table3 4368
AGTCGACCCGCGCGCCCCAATCTTTGGGAGAGTTTCAGTACTGGCATAGAATTTAAATGTCAAAA
TTCTTTCTGAAACCCTTTCTCCTAGAAACTAGGAAATAATAGGTGTAGAAGACTCTCCCTAAGGGTAGCCA
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CACCATTTCTTTTTTAAGATCTGATATGCTATCATTGCCTTAATAATGGAACAAAATAGAAGCATATCTAA
CACTTTTTAAATTGATAATTTTGTAAAATTGATTACGTTGAATGCTTTTTAAGAGAAGTGTGTAAAGTTTT
TATATTTTCACAATTAACGTATGTAAAACCTTGTATCAGAAATTTATCATGTTTACTGTTTAAAATGATTG
TATTTATAAAATTGTCAATATCTTAATGTATTTAATGTAGAATATTGCTTTTTAAAATAATGTTTTTATTT
TGCTGTAGAAAAATAAAAAAAAATTTGATTATANNNNNNNNNNNNNNNNNNNNNNNNNNN
Table3 4372
NNNNAAATTGGGACAGGATCGGTATAGTGGCTAACGCTGGTAATCCCACCACTTTGGGAAGTCAA
AATGGGTGGTTCACTTGAGCCCAGGAGTCTGAGACCAGCCTGGGCAACACGGTGAAACCGCATCTCTACAA
AAAGTACAAAACAGCAGGCAAGGTGGCGCACAACCTGTAGCCCCAGTTACTCAAGGGTCTTGAGGCGGAAG

Table 6
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ATCCCTCAAGCCCAAGAGGTCAAGGCTGCAGTGAGTCATGATCACGCCATGCCACGGCACTCCAGCCTGGG
CAAGACAGTGAGACCCCGCCTCAAAATAAAGTAAAATATAAAATAAAAACAGCAAGTGGGAACTCAGCATT
CAAGTTAACTTGTAGAGCTACCCAGCTGCTAAGAGCAGTGTGATCTTTGGTGCTCTTAGGATCACTTTGGT
ATCTGCTCATTTTCCTTTTTGTCTACCCTATAAAGCACAAAATCGAGTGGGTAAAAAGTATGAAACCAGCA
CTGTTTCTACTTTCTTAGAGGTCTGGTATCTAGTGAGCAGGCTGAGGCCTCAGGACTAGTTCAGTGTTAAG
GATTTCATGTTGAAACTCATTTGTCCTCTGTGGGTTTTTTGACAGTAGAGAGTGACCTAACTCGTTTGATT
TTGTTTTTCCCTCAGTTGACTTTCCATCTTCAGTTCGAATACATTTATTGACCAAAATGGCAGACATTGAG
TGAGTACTTCTTGCCCCAGTTTTAATTCTTTTCTTCCTTTTTTCCCCTGTTGTGAGTTATTTGTTTCAACT
TTCTTGGTTTCAGGTTTTTTTCCTAAATCGTTCACATACG
Table3 4373
NAGCGGCTGTGAGGCTCATCACATCGNAGCTAGAGAGACGCTGACCGAGCGAAGCTCACGACGAG
TCGCGCACGCACTCAGCTGAGGACAGAGGAGCTCGTCTCAAAAACAAAACAAAAACAAAAACAAAAATCTT
ACTGTGGTAATAGTTGCATAGCTCAGGAATATAGAAAAATGATGGAACTGTACACTTTAAATGACTGAATT
GTATATCAATAAAGCTGTTTAAAAAGATATTCTAAAACAACTATAATAGCAGTGTACTGTGGAGTATATTT
TATATATAGAACTATAATATATAGTAACAATAGCACAAAGCATGGAAAGGGGTAATCGAAATATACTACAG
TAAAGTTCTGACATTTTACATGAAATGTAGAATATTATTTGACTATAGACTATAAGTTAAAGATATATATT
GTAAACCCTAAAGCCACAACTAAATATTTAAAATAAAGATGTATAGCTAATAAGGGAATAATTACTATGCA
ATAGATTAATAAAAAATTCTCACTCTGAAAGAGAAAAAAAGAAGAAAAGAACAAACAGAGCAAATAGAAAC
CAAATAGCAAGATGGTAGGTTTAAACCCAACATTATTGATAATTACATTAAAGGCTGAATATTCCAATTAA
AGGCAGAGACT
Table3 4374
aCAGTGTTTTAGGTGAAAATTCAAAAGTTTTTTTCCAAGTCCAAGTAATTTATGTTTgtAgTGGA
GTAATGATTCCTATACTAAGCAGTTttgTTTTCTTTAATTtgGTGAAGTTAGCATTgggtgttgccctcag
TtagGGTTagcaaTTATTCTTTACCCcACGTACGCGGGGGCACCTTCCTTCTGTCAATAGATGAAACAAAT
ACTTCATCCTGCTCTGGAAACCACTGCAATGACATTATTCCCAGTGCTGTTGTTCCTGGTTGCTGGGCTGC
TTCCATCTTTTCCAGCAAATGAAGATAAGGATCCCGCTTTTACTGCTTTGTTAACCACCCAAACACAAGTG
CAAAGGGAGATTGTGAATAAGCACAATGAACTGAGGAGAGCAGTATCTCCCCCTGCCAGAAACATGCTGAA
GATGGAATGGAACAAAGAGGCTGCAGCAAATGCCCAAAAGTGGGCAAACCAGTGCAATTACAGACACAGTA
ACCCAAAGGATCGAATGACAAGTCTAAAATGTGGTGAGAATCTCTACATGTCAAGTGCCTCCAGCTCATGG
TCACAAGCAATCCAAAGCTGGTTTGATGAGTACAATGATTTTGACTTTGGTGTAGGGCCAAAGACtcccaa
CGCAGTGGTTGGACATTatacACAGGttgttTGGTACTCTTCATACCTCGTTGGATGTGGAAATGCCTACT
GTCCCAATCAAAAAGTTCTAAAATACTACTATGTTTGCCAATATTGTCCTGCTGGTAATTGGGCTAATAGA
CTATATGTCCCTTATGAACAAGGAGCACCTTGTGCCAGTTGCCCAGATAACTGTGACGATGGACTATGCAC
CAATGGTTGCAAGTACGAAGATCTCTATAGTAACTGTAAAAGTTTGAAGCTCACATTAACCTGTAAACATC
AGTTGGTCAGGGACAGTTGCAAGGCCTCCTGCAATTGTTCAAACAGCATTTATTAAATACGCATTACACAC
CGAGTAGGGCTATGTAGAGAGGAGTCAGATTATCTACTTAGATTTGGCATCTACTTAGATTTAACATATAC
TAGCTGAGAAATTGTAGGCATGTTTGATACACATTTGATTTCAAATGTTTTTCTTCTGGATCTGCTTTTTA
TTTTACAAAAATATTTTTCATACAAATGGTTAAAAAGAAACAAAATCTATAACAACAACTTTGGATTTTTA
TATATAAACTTTGTGATTTAAATTTACTGAATTTAATTAGGGTGAAAATTTTGAAAGTTGTATTCTCATAT
GACTAAGTTCACTAAAACCCTGGATTGAAAGTGAAAATTATGTTCCTAGAACAAAATGTACAAAAAGAACA
ATATAATTTTCACATGAACCCTTGGCTGTAGTTGCCTTTCCTAGCTCCACTCTAAGGCTAAGCATCTTCAA
AGACGTTTTCCCATATGCTGTCTTAATTCTTTTCACTCATTCACCCTTCTTCCCAATCATCTGGCTGGCAT
CCTCACAATTGAGTTGAAGCTGTTCCTCCTAAAACAATCCTGACTTTTATTTTGCCAAAATCAATACAATC
CTTTGAATTTTTTATCTGCATAAATTTTACAGTAGAATATGATCAAACCTTCATTTTTAAACCTCTCTTCT
CTTTGACAAAACTTCCTTAAAAAAGAATACAAGATAATATAGGTAAATACCCTCCACTCAAGGAGGTAGAA
CTCAGTCCTCTCCCTTGTGAGTCTTCACTAAAATCAGTGACTCACTTCCAAAGAGTGGAGTATGGAAAGGG
AAACATAGTAACTTTACAGGGGAGAAAAATGACAAATGACGTCTTCACCAAGTGATCAAAATTAACGTCAC
CAGTGATAAGTCATTCAGATTTGTTCTAGATAATCTTTCTAAAAATTCATAATCCCAATCTAATTATGAGC
TAAAACATCCAGCAAACTCAAGTTGAAGGACATTCTACAAAATATCCCTGGGGTATTTTAGAGTATTCCTC
AAAACTGTAAAAATCATGGAAAATAAGGGAATCCTGAGAAACAATCACAGACCACATGAGACTAAGGAGAC
ATGTGAGCCAAATGCAATGTGCTTCTTGGATCAGATCCTGGAACAGAAAAAGATCAGTAATGAAAAAACTG
ATGAAGTCTGAATAGAATCTGGAGTATTTTTAACAGTAGTGTTGATTTCTTAATCTTGACAAATATAGCAG
GGTAATGTAAGATGATAACGTTAGAGAAACTGAAACTGGGTGAGGGCTATCTAGGAATTCTCTGTACTATC
TTACCAAATTTTCGGTAAGTCTAAGAAAGCAAcactactgttaaaaatactccagattctattcagacttc
atcagtttttcattactgatctttttctgttccaggatctgatccaagaagcacattgcatttggctcac
atgtctccttagtctcatgtggtctgtgattgtttctcaggatt
Table3 4375
CGACCCACGCGTCCGGCGGTGTTCTGCAAAATGGGTTCTCCGGCAGCGGATTCGACCCACGGGTC
CGGCAAGTGCTGCGAACCACGTGGGTCCCGGGCGCGTTTCGGGTGCTGGCGGCTGCAGCCGGAGTTCAAAC
CTAAGCAGCTGGAAGGAACCATGGCCAACTGTGAGCGTACCTTCATTGCGATCAAACCAGATGGGGTCCAG
CGGGGTCTTGTGGGAGAGATTATCAAGCGTTTTGAGCAGAAAGGATTCCGCCTTGTTGGTCTGAAATTCAT
GCAAGCTTCCGAAGATCTTCTCAAGGAACACTACGTTGACCTGAAGGACCGTCCATTCTTTGCCGGCCTGG
TGAAATACATGCACTCAGGGCCGGTAGTTGCCATGGTCTGGGAGGGGCTGAATGTGGTGAAGACGGGCCGA
GTCATGCTCGGGGAGACCAACCCTGCAGACTCCAAGCCTGGGACCATCCGTGGAGACTTCTGCATACAAGT

Table 6
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TGGCAGGAACATTATACATGGCAGTGATTCTGTGGAGAGTGCAGAGAAGGAGATCGGCTTGTGGTTTCACC
CTGAGGAACTGGTAGATTACACGAGCTGTGCTCAGAACTGGATCTATGAATGACAGGAGGGCAGACCACAT
TGCTTTTCACATCCATTTCCCCTCCTTCCCATGGGCAGAGGACCAGGCTGTAGGAAATCTAGTTATTTACA
GGAACTTCATCATAATTTGGAGGGAAGCTCTTGGAGCTGTGAGTTCTCCCTGTACAGTGTTACCATCCCCG
ACCATCTGATTAAAATGCTTCCTCCCAGCATAGGAAAAAAAAAAAAAAACAACCAAAACAAAAAACCGGGG
GCCTTTTCGGGGGGCGGGCACACACAGGCTGGTACGGACACGGCGCACACGGGCCATACGGCGGTCTCCTG
GACCCAGTCTTTTTGTCCAAAGGGGGGGAACTGGGGGCCCCCAAAAGGGGCCGTATAATTCGAAACCCAGG
GTACGTGAACACCACGAAACAAAAAANGCAACAAGAAGGGAGAAAGCACAACATAAAACAAGGGCAAAAAC
AACGCCACTACCCCACACACAAACTACAACCGAACGACACGACACAACGAAAGCGACGGCCACCGAGGCAA
CGTCGCGAAAAAGTCGAAGCACANNNNNN
Table3 4378
NNNNNNNNNNNNNNNNNNNNNNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTCGGTTTTTTTTTTTTCTGTTGATATCAGTATTTTATTACTTGCGTTATGAGTG
CTCACCTGGGAAATTCTAAAGATACAGAGGACTTGGAGGAAGCAGAGCAACTGAATTTAATTTAAAAGAAG
GAAAACATTGGAATCATGGCACTCCTGATACTTTCCCAAATCAACACTCTCAATGCCCCACCCTCGTCCTC
ACCATAGTGGGGAGACTAAAGTGGCCAGGGATTTGCCTTAGGTGTGCAGTGCGTTCTGAGTTCACTGCCGA
TTACATCTGACCAGTCTCCTTTTTCCGAAGTTCCTTCCGTTCAATCTTGCCAGTGATGGTTTTTGGCAGCT
CTGAGACAAACTCCACCTTCCTTGGGTACTTGTATGGGGCTGTCACTGACTTGACATGCTGCTGCAGTTCC
TTGGTCAGCTGATCCTTGTCATGGGACAGGAACTGTGGGGTCAGGACAATAAAGGCCTTCACCACCCAGAG
GCATTAATGATGTCATCACTCCTCCCCAGGAAACAAATGTAGCCCTCTTCATCCATCTTTCCTCTGTCCCC
AGTGTTGTAGAAGTCCCCACATTCCACTTTAGCTGTCTTCTCTGGGTCACCCTCATAGCACATGAAGAGGC
TCACAGGCCTGACAGGTTTGATTCTGATGCCAATGTTTCCTTCTGTGTTAGGTGGCAGGATGCTGCCCTTG
TCATCAATGACCTGGACGTCATAGGGTGGGAATCATACACTGCAGGAGGCCGCAGCCCTTCTGCCCCTCCC
AAGCACTGTCTGGTTTATGCATGGGACACCAGTGTGGATGAAATAACAGAGGAAACATCAGAAAATGGAAT
AAAACTGTCAAAAGCCTTTAAAATACGCAAATGTGAAACTCAAGCCAAGGGTCTATGTTTCATGAGTTAGT
AGATGTCACCAATGTGTCTTCAAGTTGGAAAACAGTGATCAAAAAAAATGAAAAGCACCACTTGCTAGAGA
GGGCTCCCAGTGCAGCCTCTAGGTATTCTTTCCTACCTACTGTGTGTGATGCCCTGGCTGCCAGGGTCAGC
GGTGTTCATGCTCACAATAATGCAGTTTTCAACTGAN
Table3 4380
NNAAGTCAGATGAAAAAATTGTGATTCACCATAAGCCATTGGAGATCCACATGGGAGCCAACTCT
CTGCGGTGAAAAGAAAGGGATTATCTCAGACAGTAAGCCAGGAGGAAAGAAAGAGACAAGAGGCTATCTTT
GAAGTCATATCCTCTGAACATTCATATTTACTCAGCTTGGAGATCTTGATACGAATGTTTAAAAATTCTAA
AGAACTGAGTGATACAATGACTAAAACCGAGAGGCACCATCTTTTCTCCAATATTACAGATGTCTGTGAGG
CAAGCAAAAAGTTCTTTATAGAGTTGGAAGCAAGACATCAGAATAATATCTTCATAGATGACATAAGTGAC
ATTGTGGAAAAACACACAGCATCCACATTTGACCCATATGTGAAATACTGCACAAATGAAGTCTACCAACA
ACGAACACTACAAAAATTGTTAGCTACCAATCCTTCCTTTAAGGAAGTATTGTCAAGGATTGAGTCCCATG
AAGACTGTAGGAACTTACCCATGATCTCTTTTCTCATTCTCCCCATGCAGAGGGTGACCCGCCTTCCCCTG
CTGATGGATACTATCTGTCAAAAAACACCTAAGGGACTCTCCGAAGTATGAAGTCTGCCAAAAGAGCCTTG
GAAGGAAGTTAGCAAGTTGGTTCGACTATGCAATGAGGGCGCCCGGAAGATGGAAAGGACTGAGATGATGT
ACACAATTAACTCCCAGCTGGAATTTAAAATTAAGCCTTTTCCTTTAGTCTCCTCTTCCCGGTGGTTGGTA
AAAAGAGGTGAATTGACAGCCTATGTTGAAGACACTGTGCTTTTCTCAAGAAGGACATCCAAACAGCAAGT
CTACTTCTTTCTCTTTAACGATGTGCTCATTATCACCAAGAAGAAGAGTGAAGAAAGTTACAACGTCAATG
ATTATTCCTTAAGAGATCAGCTATTGGTGGAATCTTGTGACAATGAAGAGCTTAATTCTTCTCCAGGGAAG
AACAGCTCCACAATGCTCTATTCAAGACAGAGCTCTGCCAGTCACCTCTTTACTCTGACAGTCCTTAGTAA
CCACGCGAATGAGAAAGTGGAGATGCTACTAGGAGCTGAGACGCAGAGCGAGCGAGCCCGCTGGATAACTG
CCCTGGGACACAGCAGCGGGAAGCCGCTGCAGACCGAACCTGTGGCTGACGTCGTCCTCATCTATCAACGT
GTCAGCGATGGCTGGTATGAGGGGGAACGACTACGAGATGGAGAAAGAGGCTGGTTTCCTATGGAATGTGC
CAAGGAGATAACATGTCAAGCTACAATTGATAAGAATGTGGAGAGAATGGGACGCTTGCTAGGACTGGAGA
CCAACGTGTAGTCTCTCAGATGGTCTTTTGTTACTGCAAGATTTGCACGACACTTACCGGGCTGGTTGGTT
CTGGGCTAGTTTTATTGTTAATTTTGTCACAGCCTATTTAATTAAAAGAACGAAAACACTTGCCTTTAAGC
TTGCCAGGTTGTTCTGCTCTCTCATGAGAAGAGCTTGGATACAGTGAGTTTGCACAGCTCAGTTTTTACCT
AACCACACACTTGCAGACCTCCTGAGGTACACAGAATAGCTGAGCAGTTCACTTCAGGGATCAGGTCATCT
CTGCTCCTCCTAGTTTCACCATGTTCTGGCAATAAAAAACACATATTATATCCTGGTTTTCTCTATCCTTG
CATTACTAAGGTGACTGTCTCTCTTTATACATCCTTGTATGGTTCTCCCAGTATTAGCAAGATTGTATATC
TGTAAAGAATGTCCAGTTTTGTAAATATTTCCCTGCCTTTTTTTTTCTTTTTTTACATCTGATTTTAATGC
TTCGTTAACTTCAAAAGGAACTGGTAGAGTTCAGAAGGTGAGCTGTTGTTTTTCTAAACCTCTTCCCAGGA
AGGGGACATTGACACTTGAATTTTTGTCACCTTTTTCCTCATTAGAAGGAAAGTAGAAAGCCTTACTGTAG
GATTTTTAAAAAAAAATCCATCTCACCCCATATTGGTCTTAAATAAGTATAGACTAATTAACCTAAGCTAC
CTTTAACAACGTAGAATTTAGATGGGTTCATATATGTGAGAAAAACCTGAATATAGGACAGGGGTCCTACT
TTTTTCCCCACCTCTGTCGCCCAGGCTAGAGTATAGTGGTGTGATCTTGGCCCACTGCAACCTCTGCTTCC
TAGGTTCAAGTGATTCTCCTGCCTCAGCCTCCCAAGTAGCTGGGATTGTAAGAGTATGCCACCACGCCCAG
CTACTTTTTGTATTTTTAGTAGAGACAGGGTTTCATCATGTTGGCCAGGATGGTCTCTTAACTCCTGCCCT
CAAGTGATCCACCAGAGAGGAGATCCTCGGCCTCCCCAAGTGCTGGGATTATAGGCATGAGCCACCGTGCC
CAGCCTACTTTCTAATTAATTAAAAAAAAAAAAAAAAAAAAAAACTTCCCAAATGAGCTGATAAAAAACTG

Table 6
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ACGTGAGGCTGCTTTGCCTTCAATAATACCTAGTTTTCAGCTGTTCCAACTCGTTTCCAAATAGAAATTAG
CTGGAACACACTACAGTAATCTCAAGGAAGGGAAAATTAGGCCTTAAAAGATACCAAGAAGTCAGCATGGT
ACCCAATTGAAACCTTTTGACCTTAGTGGGAATTCATTCTATTTGCACTAAAAGCCTTAACTTGCTGTATT
CAGAGTCCCTCTTAACTGTGAGTTTCTATAGAACTTTACTTTTTCCACTAGTGCACAGAGAGAGAAAGGTT
ATCTTAATAGTCGGTTTCATGGAGATGAAGGATGGGAGATTAAGAGGGGGGAAATGATTTTTACTGGCAGC
TATATTCCCTCTCTGTTCTATTTGCTTTAACAAAGGGATAAAACCTGGCAAAGTGTACATTATTGGAGGAC
TCAAATCTGTATGTGACATGTCCCAACTACTGTCCGCTAACTAGTTATCCAAATTGTAAAGCTACAGAAGC
CCAGTTGAGGGGTAAGTGTGCCTGGCTCACACAGCCTGCACCCTGTCACCTCGGCAATGAGCCAGTGTGGG
GCACTGGGGACTTCTAACCCTTGGATTGCTCTTTTTGACCTGTGCATACCTTCTAATTGTAAAATATATTT
CAGACCGTGAGTACCTTGAGATCTGAGCAACTGTGTTAATGAAGTAATAGCAATGGTCCACAGTGAAAGAT
GTGTTGGGGTTTGCAAAACAAGCATTCCGTCACCTCTTTAATAATGTCACAGACTTTTTAAAAGAGAGGCT
ATCAAGTTGTAATATAATCTGTCATGTTTTATTTAGGAAGGAAGGTAAATTTGTGCTTGCACGGGGATCAT
TTTGTATTATTTTTGCTAATACCCAGTTGAAGCTAAAAAGCAACTATTTGAATCCTGTGAATTAATTTATA
AGAATGTTAAACAGCTTTGGAAATACATGCATCTTATGAATCATAGCCTTATTTAGCAAGATCAATGTTAA
AGTGTTGTTATATGGCAAGTATTTAACACATTCACAGTGTTTGTTTGATTTCAACTGTGAATTGTCTTACA
GTTTTTTCAAACCTAGTTGTTTCTATGGACACCTGCTCTGAATTGTACATTGACTTCATTACTAAAGAACA
AAAATGTTCATTTTTGTCCCAGTAAATTGAGACTGCTTGTACACTTTCAGAAAAATATGTGAATTTATAAA
GATTTTGTAGATACTTAAAAATAAAAATACATATTTTACTAGATTATTTATTGATTAATAAAAAACCTCTA
GGGGGGGCCCCGGTCCCCAATTGCCCTTATAGGAGTCGTTTCCAATTCATTGGCCGTGTTTAACAAGTTGT
ACTGGGAAAACCCTGGTGTACCCAANN

Table3 4381

ACTTTTTATTCCACTCTCTTCTTGCTTGCGTGGTTTCTAGAAAAGACAGCTGCAGTTTGCATCTT
TATTCCTCTATAAGTAAGGTTTATTTTTCCCTCCTCTGGTTTCTTTCAAAGATTTATTTTTTTTATCCTTGG
TTTCCTGCAGTTTAGATATGATATGCCTTAGATGTGGNTTTTTTTTTTTTTTTTTTTTTGGCTTTTATCCTG
TTTGTTGTTCTCTGAGCTTCCTGAATCTGTGGTTTCGTGTCACATATTAATTTAGAAAAATCTCATTCATT
ATTGCTTTGAATATTTCTTCTATTCCTTTCTCTCTTTCCTCTCCTTCTGGGGTTCCACTATGCATACTTAC
ATCTTTTATAGTTGTCCCACTGTTCTTGGATATTCTGTTCCTTTTTTTATTCAGTCTTTTTCCCTTTGCTTT
CATTTTTGGAAGTTTCTCTTGAAATATACTGAAGCTCCAGATTCTTTCCTCACCCACATCCAGTCTGCTAA
TGAGGCTTCAACACCATGCTTCATTTTTGTTAGTTTCTTGACTTCTAGAATTTTTATTTGATTCTTTCTTA
GACTTTCCATTTCTCTGCTTATATTACTGATCTGTTCTTGCAAATTGTCTATTTTTTCCATTATCACTCTT
ACCATATTAGTCATAGTTGTTTAAAATTACCAATCTGATAATTCTAATATACCTGCCATATCTGAATATAG
TTCTGTCAGCTAGCTCTGTTTCTTGAAACTTTTTGTTGTTTTGGGTTTTTTGTTTGCTTGTTTTTAGG
GTTTCTTTTTTTTCCTCTTACAATGTTTTTTTTAATTTTTTGTTAGAAATTAGACATGATATACTAGGTAAAA
GGGAGTCTGGGCTGGGCACAGTGGCTTCCGCTGGTAATTCCAGCAAGTTGAGTGGCTGAGATGGGAGGATG
GCTTGAGGATAGGAGTTTGAGAACAGCCTGGGCAACATAACAAGACCCTGTCTCTACAAAAATAAAAAAAT
AAAAATATTAGCCAGGCATAGTGGT

Table3 4387

NNNNNNNNNNNNNNNGGCACCTAAATCTAAGCAAATTGCACTATGGCTCCATCTCCGGATTGGTCA
AGTACAAGGACCAACGATCAATAGATGACAAGCTTTTACAAATCTCCAGCTTCACTTGGTAGAACCCCAAA
CCAGATACAATTGCCTCAGACCCCTCTGTAGGCAATCCAGGATTCCCTATCAGGAGGGAAGTGCAGCCAGC
AACAACTTCCTGGTCAGTAGCTACCACTCCTCCCACACACTCAGTCTCCTTTGGACCTGAGATCTCAAGCC
TTCAAAGAAGTGAGATGTTCTCCTTCTCCCAAAATGCCATCTGGCACACAGCCCCTAAGCCTCTGCTCTCT
ACTTCCTTCTGCCAGGCAATGCCATCAACGCTTTTCTTACTGAAAGGCCATGTGTTACACAGTACTACAAT
AATCCTCAAGATACTGAAAGTAATGCCAAGTGAAAGACCAAGGGGGTGGGTGGAGGGCTAATGGGCTGGAC
GAAATAGCCACTTGATTGCTAGTTCATACAAGATGTGGCAGCAACTCCTTTTCTGGCTGGAGATCTTGGAT
GTCACATCTTAGAATCAGGTGGCAAAGCATCTGTGAAGGGCAATGTGGCATCCCAGACAGTGGGTGGTGAG
ATCAGGAAGAAAAAATGGAAATCAACAGATGGTGGATCCTACAGCTGAGAACTGATTCTTCAATTTGACAT
GGTTGGCATAAACATTTTAAATGGAGCTTGGTAAAGATCAGGTTATTTTACCATTGACCAAGCTCTTGGCT
TCTAAAAGGTCCTAAATTTTTGTTTCCTTTGCTTTCACGAGTGTTTATTTGCTTTCCAGGAACTTCAGGGA
AAAAGGTTAAGTAATGGAGGGAGGAAAGAGGGAGGGGGTTGGCAGATCAAACACAGGACTTAAAAGTCCTA
GATCTAAACCTTTGAATCCCCAGATATTTTATGTTATAAAAAGATGTCCCACTTTCAGAATCCAGNNN

Table3 4388

NGCCAAAGCGTAGTACCCAAGATGCAATCTGGTCCAAGATGATAGTTAGGAGAAGATGACCAGAC
TATTTACAGGTTTTTTTGTTTTTTGTTTTTTTGTTTTTCATTTCCCCTGGGGACACTAAGTGATGCCTCTT
CGGATTATCTGAAAATGTGGGCACTCTGTATGGCAAGATGGAACTGGCTGTCTTTAAGGAAATAGTTTCAA
CTGTTCATGCCTCTGTTTCTCCCTTCATAAAGTTGGTTACTGAGCCTGCATTCTAAAGTGCCTGTTGTGGC
CGGGCATGGTCCCCTGTAATCCCAGCACTTTGAGAGGCCAAAGTGGGCAGATCACTTGAGGTCAGGAGTTC
GAGACCAGCCTGGCCAACATAGTGAAACCCCGTCTCTACTAAAAATACAAAAAATTAACCGGGCATGGTGG
CGTGTGCCTATAATCCCAGCTACTCAGGAGGCTGAGGTGAAAGAATCGCTTGAACCCAGGAGGCAGAGGTT
GCAGTGAGCCGAGATCGTGCCACTGCACTCCAGCCTGGGTGACAGAACAAAACTTCATCNNNNNNNNNNNN
NNNNNNN

Table3 4389

ACAAATAAATGTTAAGACATGATCCCTGTTGAAATCCAAAAGATAAAAAGCCCTTAAGTTTTCTT
ATTTTATATTATAAATGGACAAGGCAGCAAATGGTATTAAGGATACTTTTGGTAAGAGAATAGTTTTTATC

Table 6
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AAGAGCCAGGGCTGCAGGTAGAATATTTCTCAATTACTATTTACAGCTGAGTAACTGTTTTCCTATGGACA
TAAAAATATACACTCTGCAAATGATTTTTTAATGAAAAATGACAGCCTATTTTCTGCAACTTGGTTTTTTA
CATAATAATCATGGACATACATCTAAGATTGCATATGTAGATCTCCTGTTTTGATGATCACCTAGAATTCT
GTTTTGTGGTTGTGCCTTTAATTGACCAATGTCTTGCTATTTACTGTAAATGGTGCAAGAGTGAACATCTT
GAAAAGGGCGGCAGAGTGGTCTTANNNNNNNNN
Table3 4391
ctaccccacgaaaactaatatattctattttagtcttcgtaggttgactaataaaaaggtctaat
aattcaggcacacactttggcCAAgtttagcttTTATCACATCTAAAAAAAATTTATGTATAAAACAAGTAT
CAGTTCAAAAATATAGATTACTTTTTAAGAAGAACCTGCAGGAAGTATAAAAATATTAAATCTGGTGGAAA
GGAACTGTTACACCTGCCTGAAATTGAGAGGCTGTAATGTTAATGTACATTACAGTATTGTTAGGTACAGC
TGCTCTCCAGGCAGCTTGTTTTACCGTTTAGATCAGAGGTACTCGACACAGATTTCCAATTCATGTTACTA
ACAGGCGCCCTTAAAGTGCTCCATTCCCCTTGCTTGGTACTCCAAAAAACCATCCTGGTCCCATTATCATG
TCCTTTCAAAGAAGCATAATGGCTAGCCATTTTGGACTTCTAGAGAGAGCTCTTCGGAGATTTTTCTTCTA
GAAGATTAAGAAGTCTTTTAAGAATTACAGGTTCAGACATACACTCATCACAACAGTCTAGATTGCTTCGA
AATACGAAATGAAGCTGAAATTAATTTTTACATTTAATTTTATACCTTAAATTTCTTTATCATTGAGGTGC
CAATGTTTTAATGGAAAAGTAGAAAACAGTATAAAATTCAGTATCACCTATTTGTCTCAAATACGAGTACA
GTGAATATTAAACAGGAATGACAaCAGAGTAGCAAAAACAGAACTGGTAGATTTGCCCAAATTAACTGTTT
CTCCAAATTTGAGGTTTATGGCAAGTTGAATGTTTGATCTCTCAGCAATTGTTAATTACATTATCAGCTTA
ACGCTTTCAAACACTACGGGAGGCATTTCTCTGTTCACATAGACTTAAGTACACATATACTAAGCTGTAAA
TAGTCTGCCTTCCATTAGTTTGGTCTCTAAGCACTATAAATATGTCGACTTCATATCAGTCTATGAGACCC
AGTGACCCCCTTTTCAGAGGCATCGGTAATACATTTGGCAAATGTCTTGAAACATGAATTGTAAATTAACA
TAGGTAGAACCTTGATAATAAGAGTCCCAAATATGTATTTTTAAAAATGTTAACATTAGGAAAAAAATATT
ATAATCATCAGCTCTATTTCCTGAAAAAGTTCAGTTGAGGTAACCTCTGCAAGTCACAGCTCCACATTTAC
ATACTGTTCTGACCCTCTTTTTGGCTGGGCTGTGGTCAATAGAATCTGAAGATATATCTCCAGAACCTTTC
ATTTGATAATCAAAAGTCAGCTCTTCTCCAGCATTTATGGtTCTTGTGGAAaacAATGCTAttcgGggAAG
ACGAgtatcgAGGTTATCAATGAAAACATTGAAcAcCtGAAGATTTGGGTCACAGCTGTGATTCACAAAAT
GAGACACATTGCCGTATCGAGCCGCATCCACTGTGAATTCATCAGACTCATAGTCCAGATCAAAGAGATAC
GTGATTCCCTTGTTGTCATAGAACTGTCCTCGTCTTTCAGCTTCTTCACTTGTGATTACCTCTCCAACATA
TTCCATGACAAAACTCATTCTTTTAATCTTCACAAGGGTCTTTACACCCCAGCCACGTCCATTGCTAGTTC
GAAAGATGCAAAGCGAATACTGTGTGCCTTTTTGT
Table3 4392
NCCTATAGGGAGTCGCCCCGCGTCCGAAAAGATTATAAGTAAATACTCTGCTCTTTCAAGTGAAC
CAAACCTATCAAACCTGTTTAGAAAATAAACCAGGCAGAATAAAATGATGCGAAATGTTCATTTTAAAAAA
CTTCAGGATGGGCACAAACACACAGAAGTGGGAAATGAATAAAAGAGTATTGATAAATTTTTGAAAATTGT
TGAAGCTGAGTAATGGGCTTTCAGTCCAGTGTAAAGCTGTTGGAGCGCGGGAGCAAAGGTAAAGAATGATG
TAATGCGCTGGCTGCTCCAAAGCATCTTTTGTTGTGGAATGGTTATTCCAGTCATCTCTTTATGAATCAAA
TGTGAGGGGCTGCTTTGTGGACGGAGTCCTTTGCAAGAGCACATCAACGGGAAAGAGAAAGAGACATTCAC
TTGGAGGGCTCTTGCTGAAAATGGGTTTAACTCTCCTTTTGCCAGTCACCACCAGCCTGACCTCATACACT
TTTAGTACAATGGAGTGGCTGAGCCTTTGAGCACACCACCATTACATCATCGTGGCAAATTAAAGAAGGAG
GTGGGAAAAGAGGACTTATTGTTGTCATGGCCCATGAGATGATTGGAACTCAAATTGTTACTGAGAGGTTG
GTGGCTCTGCTGGAAAGTGGAACGGAAAAAGTGCTGCTAATTGATAGCCGGCCATTTGTGGAATACAATAC
ATCCCACATTTTGGAAGCCATTAATATCAACTGCTCCAAGCTTATGAAGCGAAGGTTGCAACAGGACAAAG
TGTTAATTACAGAGCTCATCCAGCATTCAGCGAAACATAAGGTTGACATTGATTGCAGTCAGAAGGTTGTA
GTTTACGATCAAAGCTCCCAAGATGTTGCCTCTCTCTCTTCAGACTGTTTTCTCACTGTACTTCTGGGTAA
ACTGGAGAAGAGCTTCAACTCTGTTCACCTGCTTGCAGGTGGGTTTGCTGAGTTCTCTCGTTGTTTCCCTG
GCCTCTGTGAAGGAAAATCCACTCTAGTCCCTACCTGCATTTCTCAGCCTTGCTTACCTGTTGCCAACATT
GGGCCAACCCGAATTCTTCCCAATCTTTATCTTGGCTGCCAGCGAGATGTCCTCAACAAGGAGCTGATGCA
GCAGAATGGGATTGGTTATGTGTTAAATGCCAGCAATACCTGTCCAAAGCCTGACTTTATCCCCGAGTCTC
ATTTCCTGCGTGTGCCTGTGAATGACAGCTTTTGTGAGAAAATTTTGCCGTGGTTGGACAAATCAGTAGAT
TTCATTGAGAAAGCAAAAGCCTCCAATGGATGTGTTCTAGTGCACTGTTTAGCTGGGATCTCCCGCTCCGC
CACCATCGCTATCGCCTACATCATGAAGAGGATGGACATGTCTTTAGATGAAGCTTACAGATTTGTGAAAG
AAAAAAGACCTACTATATCTCCAAACTTCAATTTTCTGGGCCAACTCCTGGACTATGAGAAGAAGATTAAG
AACCAGACTGGAGCATCAGGGCCAAAGAGCAAACTCAAGCTGCTGCACCTGGAGAAGCCAAATGAACCTGT
CCCTGCTGTCTCAGAGGGTGGACAGAAAAGCGAGACGCCCCTCAGTCCACCCTGTGCCGACTCTGCTACCT
CAGAGGCAGCAGGACAAAGGCCCGTGCATCCCGCCAGCGTGCCCAGCGTGCCCAGCGTGCAGCCGTCGCTG
TTAGAGGACAGCCCGCTGGTACAGGCGCTCAGTGGGCTGCACCTGTCCGCAGACAGGCTGGAAGACAGCAA
TAAGCTCAAGCGTTCCTTCTCTCTGGATATCAAATCAGTTTCATATTCAGCCAGCATGGCAGCATCCTTAC
ATGGCTTCTCCTCATCAGAAGATGCTTTGGAATACTACAAACCTTCCACTACTCTGGATGGGACCAACAAG
CTATGCCAGTTCTCCCCTGTTCAGGAACTATCGGAGCAGACTCCCGAAACCAGTCCTGATAAGGAGGAAGC
CAGCATCCCCAAGAAGCTGCAGACCGCCAGGCCTTCAGACAGCCAGAGCAAGCGATTGCATTCGGTCAGAA
CCAGCAGCAGTGGCACCGCCCAGAGGTCCCTTTTATCTCCACTGCATCGAAGTGGGAGCGTGGAGGACAAT
TACCACACCAGCTTCCTTTTCGGCCTTTCCACCAGCCAGCAGCACCTCACGAAGTCTGCTGGCCTGGGCCT
TAAGGGCTGGCACTCGGATATCTTGGCCCCCCAGACCTCTACCCCTTCCCTGACCAGCAGCTGGTATTTTG
CCACAGAGTCCTCACACTTCTACTCTGCCTCAGCCATCTACGGAGGCAGTGCCAGTTACTCTGCCTACAGC

Table 6
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TGCAGCCAGCTGCCCACTTGCGGAGACCAAGTCTATTCTGTGCGCAGGCGGCAGAAGCCAAGTGACAGAGC
TGACTCGCGGCGGAGCTGGCATGAAGAGAGCCCCTTTGAAAAGCAGTTTAAACGCAGAAGCTGCCAAATGG
AATTTGGAGAGAGCATCATGTCAGAGAACAGGTCACGGGAAGAGCTGGGGAAAGTGGGCAGTCAGTCTAGC
TTTTCGGGCAGCATGGAAATCATTGAGGTCTCCTGAGAAGAAAGACACTTGTGACTTCTATAGACAATTTT
TTTTTCTTGTTCACAAAAAAATTCCCTGTAAATCTGAAATATATATATGTACATACATATATTTTTGGA
AAATGGAGCTATGGTGTAAAAGCAACAGGTGGATCAACCCAGTTGTTACTCTCTTAACATCTGCATTTGAG
AGATCAGCTAATACTTCTCTCAACAAAAATGGAAGGGCAGATGCTAGAATCCCCCCTAGACGGAGGAAAAC
CATTTTATTCAGTGAATTACACATCCTCTTGTTCTTAAAAAAGCAAGTGTCTTTGGTGTTGGAGGACAAAA
TCCCCTACCATTTTCACGTTGTGCTACTAAGAGATCTCAAATATTAGTCTTTGTCCGGACCCTTCCATAGT
ACACCTTAGCGCTGAGACTGAGCCAGCTTGGGGGTCAGGTAGGTAGACCCTGTTAGGGACAGAGCCTAGTG
GTAAATCCAAGAGAAATGATCCTATCCAAAGCTGATTCACAAACCCACGCTCACCTGACAGCCGAGGGACA
CGAGCATCACTCTGCTGGACGGACCATTAGGGGCCTTGCCAAGGTCTACCTTAGAGCAAACCCAGTACCTC
AGACAGGAAAGTCGGGGCTTTGACCACTACCATATCTGGTAGCCCATTTTCTAGGCATTGTGAATAGGTAG
GTAGCTAGTCACACTTTTCAGACCAATTCAAACTGTCTATGCACAAAATTCCCGTGGGCCTAGATGGAGAT
AATTTTTTTTTCTTCTCAGCTTTATGAAGAGAAGGGAAACTGTCTAGGATTCAGCTGAACCACCAGGAACC
TGGCAACATCACGATTTAAGCTAAGGTTGGGAGGCTAACGAGTCTACCTCCCTCTTTGTAAATCAAAGAAT
TGTTTAAAATGGGATTGTCAATCCTTTAAATAAAGATGAACTTGGTTTCAAGCCAAATGTGAATTTATTTG
GGTTGGTAGCAGAGCAGCAGCACCTTCAAATTCTCAGCCAAAGCAGATGTTTTTGCCCTTTCTGCTTCACT
GCATGGATACAGTTGGTAAAATGTAATAATATGGCAGAATTTTATAGGAAACTTCCTAGGGAGGTAAATTA
TGGGAAGATTAAGAAAGGTACAAATTGCTGAGGAGAAGCAGGAAACCTGTTTCCTTAGTGGCTTTTATCCC
CTCGGCATGCGATGGGGCTGATGTTTCTATGATTGCCTCAGACTTTCACATTTACTAGTAGGGCTGAGAGA
GGCTTTAGTGAGGAAGGAATATTCAGAATAAAACGGTTGAGAAAGCTGAGAAGACCATTGAGTTTTGATCA
GTTGTGAATAGAGTGCAAAGCCATGGCCAAGCTGTTTTTGGAAACGCTGGCCGGCGTGTCTTCAGTGGAAA
AAGCAAATCAAAATGGAGCGAGAGCAAAGGGGCGTCCTCAGTCCTCAACCTACAATCACTGTATGGAATCG
GTCCTGGCAGCTGAACATAGGAGGTCACTGGAACAAGTGATAGTGCAGATTGGCTTTCAAACATCCTCCTG
GCTTGAGTTTTATCAGCTACAGTGTGGGTCCTCTTTTGAAGCCTTAATTCACAACAGCAGCTTTTTGGGGG
TGGGGCTGGGCGGGTGTTGTCATTGTTCTTTCCCTTCCTGTAAGTGTCGCTAGTTGCTGCCTCGTATCTCA
GGTTTTTCTCTGTTTTTGAGAAATGGACAGTTTTTTGACCAGGATGTGACTTCATGTTTCCTATGGTGACT
TCTAAAACCAGCACAGAATGATATGACTCAACACAGACCGACTTGGTTATGGGGATGATGAGCCGCACAGA
CCTCACTAGTTGTGCACAAATAATGTGCTATGATGGGGTGTAAAGTGAAGGCAGAAGAGGGTCAGCCGCAT
TGTTATGATACTGGGAAAGTGCTGGTCAACGATTTGAGTTAGTTTTTAGATATACATTGAAATCTTTAATC
AGACATTCTCAAGTTTCACACAGTAGTTTTTGATGTTATGTACACACACACCAAATGTGTAACAGTTCACC
ACTTCCAGAGTGTGGTCATGCCCAAAACATGTTTAAGAAAGGAAAGCAGTAGCTCCTTGCTAACGATGTTT
CAGGAGGTTTGGGGCACTTGGTTTTAATGAGCTTCTGTCATTTAGGGCTTCTCTTGGCCATGGTCCCCTTC
CTTCTGGAACTGTGATGTAGTCACATCCTACAGCCTTTAGTGCTGGTTCACTAGTGTCAGATAATCAGTTC
TTGGAATCGAGACTGCCGTGGCGAAGGGGTGGCCTCGGAGGCAGGCTCTGGAGCTGCTTGGATGTCTTTAG
GTGGGGTGGTGGCTGGTCTCTTCAGCATGTAATTGGGGAAACCCTCGCGTCTACTAGGTGATACAGATGGT
GATTCTTCAAGAGCAAATAGACTCATGTGAGATGGTGGAAATGATTGCGTTACAGTTTACGGACAGACTGC
AGTTTTCTGAAATAGGTCTTGAAAAGCACGGTGACGCACGGGGTTCCCTGAGGGCGTGTCGGTAAGGAAAA
ACGGGAAAAAAAAAAAGGGTTTTGGGAAAAATAGGTCNN

Table3 4395

AGGCGGAGTTTCACCTGACCTTAGGTGATCTGCCCACCTTGGCCTCCCAAAGTGCTGAGATTACA
GGCGTAAGCCACTGCGCCTGGCCTCAAATTCTTTTTAAATTCTTTTTAATGTAAAACAATAGAATTAGGAA
TCCAAAAAAGAATAAAGAAAACTGGACTGACATAACAAAGACAGGAAGAAAACAAACAGAATGCATAATTA
TCAGTATAAAAGATGGCTTAAAATCAAATGTAGCAGTTATTACAAAAGAGAGTCAAATTCCCCTACTAAAA
GGTAAAAACTCTAGAGTTAAAAGACAAAAGCTATTTGAGACAATGTACCTGCCCAAAAGGGTATACCCAGA
CAAACCCAAATTATCTCCTTTGAGCAATAAATCTCATCTGCAAAAAGAGATAACATTCATACCTGAAATGA
TTCCCACTTTAATTAAT

Table3 4397

CGCGTCCGGTTTATCGGTTAAGTAATTTGCTATTATATTGTAAAATAGTACATTTGAGGCTCACT
TATAAAAATTGGAAAACATCGAAATATAAGAGGTCCAAGAGGGTGTTTGAAACACATTTTGCTAAGTTGAC
AGGAAATTAATAGACTTTTTATGGGCCATTAACTAATAATACACTCAAAAAAAAGGTACAGTTAAATAAAG
GTTTTAAATAGTCTATACCGTATACTAAAACTAAATTAATATTTAGGACTGAAATAACATATTGATTAAGT
ACCAGCTATGTACCCAAAAAATGCTGGGCACAGAAGTTAGAGTAAGATGTTTTACTTAAAGGGCCTTTGAG
TGAGAGTTGGCAATTCATTCTGAACTAACCACTAATATCATTAAGAATTAGTGCTGAGTTGGTAGCAGGAA
ATAGGTAATTCTGTCTAAAGGAATCATGAAATGGAAAATAAATAAGCTTTTAATAAGGAGAAGGAAGAGCT
GAAGAAATGGCACAGTGTTCTTAGAATGACAGATAGTCCTATGGGGACTGCAGCATAAAAGTGAAAAATGT
ATAAGATAAACCTTTAGATGGTAAGCAAGGCAAGATTCTCAAATTCTGTATGAATCAGCTCCACCTCCGCC
CCATGGACAGTAGATGACCGTTAATGGCTTTTAAGGAAAGATGCAACCTGGAAAAAAAGAAAAAAAACTTG
TTTTAGAATGGTAACCACTGGCAATATGAAGAATAATTAGACTAAAGAAGAGAGGTAGGATAATCATGGGC
ATTGGCAGTGGAATTGAAAGAGTAATTTCAGAAGCAGAATGGTCAGATGTTGGAGGTGATTGGTTATAGAG
TTTAAGAATTGTACTGATTTTCTATTGTGTAACAAACTACCCCAAAACTTAATGGCTTAAAGCAACTATTA
TTTCTCCTGATTCTGTGGTTGACTGGATGGTCGTCTGCTGCTCTTGCTTAGACTTAGGCATCTGCATTTAG
CTGAGGGTTCAGCCAGGGCTGGACATCCTTTAATGGCCTCATTCCCATGTCTGGGGCCTCAGGTCAGATAG

Table 6
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CTGGGACTACCGGGTCTCACTCCAGAAGAGGCTTCTTCAGAGCATGGTAGTCTTGGGGTTCTAAGAGAATG
AGAGTAGAAGCTGCAAAACCTCTTGAAACTGGGGCTTGGGAGTCACACATGACTTTCTCCACATTCTGTTC
GTCAAAAGCGAATCATAAGGACAGCACAGACTCAAGGGATAAGAAAGGAGATTCCATCTCTTGATGAGAAG
AGCTGCAAAGGCCATATTTAATCAGTCACAGGAGTCTAATGCTACAAAGTAGTTTTTTAAAAAGATGACTA
GATTGGCAAGTTCAAGGTTAATCTTTTTATTTGTTTTATTTATATATCACTTAGCTGGTATTCAGTAAAAG
CTTGCTTTGTAAAATTTAGTTAATATCTTTTTGGTTCAGCACAGACATTGCATCATCTTAGCAGCTCTTTT
TCAAACAGATTTGAAGCTGCTTCAAATAACAATCTGGTTTATAAAATGAAAATAGAAAATTATGATCTTAG
AATGAAGAAGTGAATTTCTAAGCCATGATAATTATTACGGTTGCTGTGATTAGACAGACTTTTCTGTGGAG
CTTCCTGACAACCAAGAAAAAAGGGGAAATCAAGGAACTGTTCTTATCAGAAAGTAGGAACCCAGCAATTC
TTTCATTTTCTCATTGGGAACTTAATAGTCACTGAATTACAAAGTAGACAGTGACCTTGATTATACAACAT
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CATAAAGCATAACTCAGTAGATAGAATTCTCTAGTAGTAAGCTAAAGTGCTTCAAGTATTAGTTGTCATAT
TAATCCAAGAGAAAATTAGATCTGAGACTACCTCGAGGAGTAAACGAACAACTTCTTTAAACCAATACTAG
TCAAAATGCAGTCCACGGACCAATGCTGGTTCATGCCCTATTTGATCCAAGTCCACATTAAGTACAGAAAT
GAAGAGTAAGCATTTAGAAACTTGGGGCAATTTGACATTGCCTCAACATCCAAGTTTCAGTGTCCTTTATA
AACTATTGATCCATGACAGATCATGAAACTTTCTAAAAATTGATCCTTTTATCACATAGTCTTTCAAAATA
TTATTTGCTTCTTTGAAGCTTTGGATAGAAACTTGATAATGTGAAGTTCTCTGCTATGTGGACCTGGTGTG
CTTATCTTCTTTGTTGCTGATTTGAGAGCTGAGCTATGTACTATATCTGGAATGCACACAGCAGGCATCCT
GCTGTGCAGTTCTGTGTCTAGTTAATAGTATGGAAGTTCACATTATCAAGTTTCTATCCAAAGCTTCAAAG
AAGCAAATAATATTTTGAAAGACTATGTGATAAAAGGATCAATTTTTAGAAAGTTTCATGATCTGTCATGG
ATCAATAGTTTATAAAGGACACTGAAACTTGGATGTTGAGGCAATGTCAAATTGCCCCAAGTTTCTAAATG
CTTACT

Table3 4399

NNGCGTCCGTACAGGTTCAGAGAACAATAGAGGATTCCTGCAATCTTTTAATGCCTTGATTTTGA
AAATGGTTTTACAGAATTCATCTCCCAAAGTAAATATCAGTATATAGAGCCTGTTCAACCCTTCAGTTAGC
ATTTCCTGCCAAGAATGTAGGTTAAAGCAATAAGGTTAATTGCATCAATCTTTGTTTTTGGCTTCTTTAGA
GTGAAGAAAGGACATGAATTCAGCTTTTTATTGAATTCCTAATATATGCTAGGCATGGTGCTTCTTTGCTT
CCACCACATCTTCTTGTTTGATCCTTATAGCAACCTTGTAGGAAATTTGGATGCCAGAGATTTTAAGTGAC
TTCTGCGTTACACAGTTACTAAGTTGCAAAGCTAGGAGTTCTCTGGGACAGGCAAATCTGGAGGAGAGCCA
ATAACTTGATTCTGATATAAGATTTCTATAAAAGAATTAACATCTAATTGATTGTAAAGTGTATAGAACTT
GATAACAAAACTTGATATGTAATTAAACTTGTTAAATTGTGAATCATCCCAGTCAAAGATAACTAAAAAAA
AATCAGTCTTCTAATATCAGTCTCTAAGGGTATAGTCATATATGCAAAAATAATAGCCCTTAGGAAATATA
TTTAGGCCTAAATCTCTAAGCTAAGGATGGATTTGATAGTAAAAATACATTAAAATTATAAATAGCTCCAA
GGCCCACACACTGCCCATGACTTTATAAAATGTTCTTGCATTCAGGTTATACAGCCAGAGTCTTAATTCAG
AAAGCCAGAGTGTTCCTCTAGTGTGTGGATTTGATTTTGTGTCTTTGTGCTTCCTGTTGCCTCCTGGTGAA
CGCAGTTCTGACCTTTCCTTTGTTTGCAGGTATGCTTCAGAAGTGTCCTTCTGTTGATGACTTCGTAAGTG
CCCTCGTTTCCGACTTGGATCTGGACTTCGAAACTTTCCTCATGGATTCTGAATAAAAGAAACACTCTACA
CCTCTTAAATCAAGGTCATGTAGATAATGACTTTGTTATAAATGCTACAGCTGTGAGAGCTTGTTTCTGAT
TTCATTGTTCGCTTCTGTAATTCTGAAAAACTTTAAACTGGTAGAACTTGGAATAAATAANNNNNNNNNNN
NN

Table3 4400

ACGCGGGGACAGCTGTGTTTGGCTGCAGGGCCAAGAGCGCTGTCAAGAAGACCCACACGCCCCCC
TCCAGCAGCTGAATTCCTGCAGCTCAGCAGCCGCCGCCAGAGCAGGACGAACCGCCAATCGCAAGGCACCT
CTGAGAACTTCAGGTAGGAGAAAAGCAAACTCCCTCCAACCTCTTACTTCGGGCTTAAGGCAGAGAACTCG
CCTCCCCAGAATCTCCTCCCTCCATGATCCCCCGCTATTCCTCTATTTTCTTTTCCTCGGACCTGCAGCCT
TGGGTCGACCCTGCCCTAGGGGTGACTGCAGGAGAGCAGGGAGGATGGTCAGGCGTCACCAACAACCCCAT
CACCCAGTAACAAGAACCTTGACTCTCTCAGTCCCTCTGCATCAAGACACTTACCCATTTCCCACCTCATG
CCTGCTAACTTGAATGAAACAATCGCTGGGAAAGCATTAAGAGAATTAAGGCTGGGCACTGTGGCTCATGC
CTGTAATCCCAGCACTTTGTGAGGCTGAGGCAGGCAGATAACTTGAGCCCAGGAGTTTGAGACCAGCCTGG
GCAACATGGCAAAACCCTGCTCTCCCAAAAAAAtacaaaaattagctgggcgtgctggtgtgcctgtattc
cagctactgtgggaggctgaggtgggaggttgttcagctggggaggcggaggctgcaggcagccaagactg
agccattgcaccagctgggtgacagagcacgacctgtctctaaaatgatcacacacaacagcaacacaaaaaa
actttgcggcccggcccacaaaagttaaacactgtgggggggccagggaatgaaagggcaaggtgccaga
accgggacaggggtcccacaaaccgggcaa

Table3 4402

NNNNNCCGCCCGGGCAGGTACCCCAGCTGATGATGTTCCACAAAAGAGCAAAACATACACAATCT
GGTTCCACTCTACAGAAATCCTGGAACTGGACTACAAAGGGAATAGACAGGGTGTGGCAGGAGGGGGTTCC
TCACGGTTGGAGTGCGAGGTTAGGGACAGGAATAGAAGGTAGGTAATAAACATTCATGTGGTATTAACTTA
GGGCAGATGTGTCAATATATTTCCAAGTTTAGCATAATATAGGTATAAAAATTAAATAAAAAGTTTATATG
TGTGTGTATATATGGGTTAATACACAACACATACCTCCTAGAGTCATTACCTGAGAGGTTCTACAAGAAAA
GACAGCAAATTAACAAAAAATACACCCAGAATCAAGATTTGAGTTTTGGTTCCTTTCATAGCAGAATGGTA
TGCAACATTTCTTGGAAAAATGGCTAATCCTAGGGCTTGGAAAGAGAATATAGGAGTAAAGTCTACAATTT
CTCATGGTACANN

Table 6
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Table3 4403
ACGCGGGGGCTCAGTTTGGGCTTGGATGGCCGCGTTTATTTTCCTTGGCAGAGAAGCTGATCGTC
GAAGGGCATCTAACCAAAGCGGTAGAAGAAACAAAGCTTTCAAAAGAAAATCAGACAAGAGCAAAAGAATC
TGATTTTTCAGATACTCTGAGTCCAAGCAAGGAAAAAAGCAGTGACGACACTACAGACGCCCAAATGGATG
AGCAAGACCTAAATGAGCCTCTTGCCAAAGTGTCCCTTTTAAAAGATGACTTGCAGGGTGCACAGTCAGAA
ATTGAGGCAAAGCAAGAAATACAGCATCTTCGAAAGGAATTGATCGAAGCCCAGGAGCTAGCTAGAACAAG
TAAACAAAAATGCTTTGAACTTCAAGCTCTTTTGGAAGAAGAAAGAAAAGCCTATCGAAATCAAGTTGAGG
AATCCACTAAACAAATACAGGTTCTTCAAGCCCAATTGCAGAGGTTACACATCGATACTGAGAATCTCCGG
GAGGAGAAGGACAGTGAAATCACAAGGACTTGAGATGAATTGCTTAGTGCCCGAGANNNNN
Table3 4404
ACGCGGGGATATGAGGGGTTCCGTGACTGAGGTTCTGAGCTGCTGTTGATGTGCTATACCTCCTT
CAATTCTCAGCTCTCAAAGGGGAAAACAACTGCAGAGGATGGGAAATGCTATACTGCCATGCCTGGAAACA
CCCACAGGAAAATTACCAGTTTTGAGCTTGCTCAACTGCAAGAAAAACTGAAGGAGACAGAAGCAGCCATG
GAAAAATTAATCAACAGAGTGGGACCTAATGGTGAGAGAGCACAGACTGTGACTTCTGACCAAGAGAAACG
GTTGCTACATCAGCTCCGAGAAATCACCAGGGTCATGAAAGAAGGAAAATTCATTGACAGATTTTCTCCAG
AGAAAGAAGCTGAGGAGGCCCCTTACATGGAGGACTGGGAAGGTTACCCTGAAGAGACTTACCCAATTTAT
GACCTTTCAGACTGTATCAAGCGTAGGCAAGACACAATCTTGGTGGATTACCCTGANNN
Table3 4405
TTGACTATGAGAATTATAACCCAAATTGCAAGGGGAGGAACTGTCCCTGAAATCCTGTTTAGAAA
GCCATAAACAAGGAAACACCTGTTTGTATACAGTTTGAAGGGTGGTATAGCTAGACTGGCAATAGATTCTT
GTGAACAAGTTAGTAGGGCAATAGTTTTGTTTCTTTAAAGGATTAACATTTAGGTAATAATGCGTACGTGA
ATGTTTGCCTAGAAGTCCTGTTCCCTATATAATAATACTTTGATAATCATTTCAAATGCCAACCCTTCCTT
AATATAAAAGTTTTGCGTTATGTTAAATAAACTATTTTTTTCTTTATTCTTTTCTTTTAGCTTTATCTTCA
AGCCAGGATGAAGGGAGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTGTTGCCGTATCCA
TTTATGTGGGCCTTTCTCGAGTTTCTGATTATAAACACCACTGGAGCGATGTGTTGACTGGACTCATTCAG
GGAGCTCTGGTTGCAATATTAGTTGTAAGTATACAGGTCAACAGCCTACATCTTGATATTGCTAAACATTT
AGATAAGTAAATAGAAAAAAAAAAAATCCAAAAAATCCCCAGCTGAGGAGAAGACTATGCAGTGGGCAAGA
ATCTCAATGTTATTAAAAGTCACTTCAGGATACACACCAGGTTAAAAACTAGGTTGCTCTTTCTAAAACTT
AGTATTTTTGTAAAATCTTAGTATTTTTATTGTGAAAGGCTCTGGCTAGAAATAGTTTTTTTAGGGGATTA
TGACTTGAAAAAACTAATTCACATGTAGAAATAACTCTTTTATTCAGTATTGGCAAAATGAAGCTATTTGC
TGAAGGCATAACAAAGCAACTCTTAATTTGGAATAATCTTTAAAAAATCCCAGTTAGTCTCTAATTTTTTA
TATGCTTAATCTGTACACCTCAAAGTATATCCTTTTGTTTATATTTATCTTAGGATGCTGTTGATCACAAC
TTTGTATGTAGTTTTTAACTTGATCTAAATTATACCATTAAATATTTTGCACTGTAGGCTGTATATGTATC
GGATTTCTTCAAAGAAAGAACTTCTTTTAAAGAAAGAAAAGAGGAGGACTCTCATACAACTCTGCATGAAA
CACCAACAACTGGGAATCACTATCCGAGCAATCACCAGCCTTGAAAGGCAGCAGGGTGCCCAGGTGAAGCT
GGCCTGTTTTCTAAAGGAAAATGATTGCCACAAGGCAAGAGGATGCATCTTTCTTCCTGGTGTACAAGCCT
TTAAAGACTTCTGCTGCTGCTATGCCTCTTGGATGCACACTTTGTGTGTACATAGTTACCTTTAACTCAGT
GGTTATCTAATAGCTCTAAACTCATTAAAAAAAACTCCAAGCCTTCCACCAAAACAGTGCCCCACCTGTAT
ACATTTTTATTAAAAAAATGTAATGCTTATGTATAAACATGTATGTAATATGCTTTCTATGAATGATGTTT
GATTTAAATATAATACATATTAAAATGTATGGGAGAACCAAATCCACACTTGCAGGCATTTGTAGTCAACT
GTAATCAAACAGGTGGTCAATAATTTAAAATCTCACATTCCTTTAGCTGACTCTACAAGTAGAGGCTGGCA
GCAAACACAATATCTCTCTTGATTTTGGTGATTCCTTGTAAAGTCCAAGTTGGGGCAGGTCACTCCCAAAC
TCCACACCTCCAGTCACTGCAGAGTTGAGAAGCTGGGGCTGGNACNNN
Table3 4406
NCTTCAATACCCTGTATTATCTGGGAACAACAACCCCTTTCCCTGTACTGGCATCAACAAGATAA
GGTTTCCATGGAGCTGCCATAATTTTTCTATAACGCTGCCCCTAGGCCAGAATTGGTTGGTCTACAGGTAG
ATACCTGATCCAAACTATGACAACCACAATATTCCAGCCCTTGACAATGATTGACTCTTCCAGGACGGGCA
CTTAACTCAAGCTAGGCCAATCATAGTCATTTCTCAACTAGATCCTGCCCCACTGGTCATAGCTAATTGGT
GCAGGACTGGAACTGGATGCAAGCTGACTCTCTGGATTGAGAACTAGAGGTCAGACCATTCCCTGTCCCAT
GTCTGAAACTGAAATATGCAGCACTGGAAAACTGCTCATGCTCATGGCCATGGGATCAGCCTTCCCCTTAG
CCTTCAGAAGGGCCTTGGGAGTTGGAGGCAACANN
Table3 4410
NACTACCTGTATTGTTGGGTATGACTATCAAAGGATTTCCGGTGATTCATGTTTGTGAATTGGAG
TTTAAATGTTTGCAGGATTACTGTACTTCCATAGACCCACTAGAATGTCAGCTGTACTCTGTACTCTCCAC
TGAGAAAATGAACAAAATCCTATGTCTTAACAGTTATGCTCTAACTTTTTGAAAGCTTTTTGATGTAAATA
ATAGGTTAGAAACTAAAAGCCTTTTAATCTTACAAAATACAATTTGAACGATGGAAGGTTGTTCAGATACT
GGCTTTCTGTAAAAACATCATTGTGTTAGATTGTTTGTAATGTACTATCAATAAAATTGGCTGCTTGGGCG
GTTTTAGTTACCACCTTAGCCTGGTTTTCTGCTACTGTTATTTATCATCGTAGGTTCTGAGTTGCTCATTG
TGGTTGCTCTTTGGACCAATAAAAATGGCAAGTATGAGATGAACATGATAAAAGTATGTTTATATAACAGG
AAGAAGCTGGGCGCGGTGCTCATACCTGTAATCCCAGCACTTTGGGAGGCTGAGTTGGGTGGATCACGAGG
TCAGGAGTTCGAGACCAGCCTGACCAACATGGTGAAACTAAAAATTCAAAAATTAGCTGGGC
Table3 4412
GGACGCACGCTTCCCGCCATTTTGTTCAGCTTGCCGGGCAACCGGCCCCTGCTGGGGACTACAAG
TCCCGTAAGCCTCCGCGGCGGCACGTCCTACCCTACACTGTCCAGCCGGCTCCCTTTTTCCCCCTCCCCGG

Table 6
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GGGCCAAGGGCTCCGGCTGCTGCCTGGCGGCCAACGGGCCAGGTAGGATTTCCGGGAGAGGCTGCTGTGGA
GGCTGAGGAGGCGGCGGCGGAGATCTGGAAACAGTATCTCACCTCCCTAAACTGGTTAATAGTGGCATGGA
AGATCCATTTGtgACACTGAAAGAGGACCGCATGTCCCCTCTTTATGTGGATTTATCTTTTATGAAAAGTT
TGCTTTTGTCCcGgcaCAgTTTgttgtcgtgaGataCATCAGacagtatAATCATGggacaagcTGATGTCt
ccAGACCggtaAATCcagaTGCAgttGaCTTCTccAGAGAACCTtggAaCaAGGAAGCAGACCAGCCCACT
ACAGAGCCAGGCATGGTCCTGGACAGTGTGGAAGCAGGAGACACAACACCTCCTACCAAAAGGAAGAGCAA
GTTCTCAGGCTTTGGCAAGATCTTCAAGCCCTGGAAATGGAGGAAAAAAAAAAGTAGTGATAAATTTAAAG
AGACTTCAGAAGTTTTAGAACGGAAAATATCTATGCGAAAGCCAAGAGAAGAGCTGGTTAAAAGAGGGGTT
CTGTTGGAAGACCCTGAGCAAGGTGGTGAGGATCCAGGAAAGCCAAGCGATGCCATGTTAAAGAATGGCCA
TACCACCCCCATAGGGAATGCCAGATCATCTAGTCCAGTCCAAGTAGAGGAAGAGCCAGTAAGATTAGCAA
GTCTTAGGAAAGCTATTCCAGAAGAGGACCTAAAGAAACGACTAGGCTCAACTGGAAGCCAGCCTAATTCT
GAAGCAGAGTCTGTTCCTGAGAATGTACCCAAACCACCTTTACTTCCTCCCAAAAGACCCTTGTCCTCTTC
TCATGAAGCAAGTGAAGGGCAAGCAAAGGATGCCACTTCCTCTGGCGGCACGGCAAGGTTCATCATCTCCA
CCTCCATCACCACAGCACCCGCTGCCACCACTGCTGCCACAAGCCTTGCAAAGACTGTTAATCTCTCTGTC
ACCCCTTCCCCAGCACCCAGGACTCTGCCTGCTGCTCCTGCCAGCACTAACACTACTGCTACCCCAAGCCT
CACTCATATGGTCCCTGCCAAGCAGCCCCCTATCCCTCCCCCTAAACCAGCTCACAGAAATAGCAACCCTG
TCATTGCTGAACTGTCCCAAGCAATAAACAGTGGTACATTGTTATCAAAACCGTCCCCACCCTTACCACCT
AAGAGAGGCATTCCATCAACCTCAGTACCCACCTTGGAGTCTGCTGCTGCCATCACCACAAAAACACCAAG
TGATGAAAGAGAGAAGAGCACGTGTTCTATGGGCTCGGAACTACTACCAATGATCTCACCTCGCTCTCCGT
CCCCCCCACTGCCTACTCATATACCTCCAGAGCCTCCACGCACCCCTCCATTCCCTGCTAAGACTTTTCAA
GTTGTGCCAGAAATTGAGTTTCCACCATCCTTAGATATACACCAGGAGATTCCCCAGCAGGAAGATCAGAA
AAAGGAAGTCCCCAAGAGGATACTGGACCAGAACTTTGGGGAGCCCCATATACCCTCTAGGCTGCCTCCAC
TCCCACTGCATATTCGAATCCAGCAGGCCCTCACCAGCCCACTTCCCATGACTCCTATTCTGGAGGGTTCT
CACAGAGCTCATTCGTTGCTTTTTGAAAACAGTGACAGCTTTTCTGAGGACAGCAGTACGCTGGGTCGGAC
CAGGTCTCTTCCCATCACTATTGAAATGCTAAAAGTTCCAGACGATGAAGAAGAAGAGGAGCAAACCTGTC
CATCCACATTCAGTGAAGAAATGACACCTACCTCAGTCATTCCTAAATTACCACAGTGTCTACGGGAGGAA
GAAGAGAAGGAGAGCGACTCTGATTCAGAAGGTCCCATTCAGTACCGAGATGAAGAAGATGAAGATGAAAG
CTATCAGAGTGCTCTCGCCAACAAAGTGAAGAGGAAAGACACACTGGCAATGAAGTTGAACCACAGACCCA
GTGAACCAGAGTTGAACCTGAATTCTTGGCCTTGTAAAAGCAAGGAGGAGTGGAATGAAATACGGCACCAG
ATTGGAAACACACTGATCCGGCGACTGAGTCAAAGACCAACACCAGAAGAACTAGAACAACGCAATATATT
GCAACCTAAAAATGAAGCTGATCGTCAGGCAGAAAAACGAGAAATTAAACGTCGGCTCACTAGAAAGCTCA
GTCAAAGGCCAACTGTCGCTGAACTCCTTGCCAGGAAGATTCTGAGGTTTAATGAATATGTAGAGGTAACA
GATGCTCAAGATTATGACCGGCGAGCCGACAAACCTTGGACCAAACTGACCCCTGCTGACAAGGCTGCCAT
AAGAAAAGAATTAAATGAATTTAAAAGCTCCGAGATGGAGGTTCATGAAGAGAGCAAACATTTTACACGCT
ACCATCGTCCATGATGCCAAAGGTTGAGAGAGGAATCAACATGGCTGCTTTGCTGCTTCCTTCTCCAAAGT
GACATATGGAGGGAACTTTAGCACTTCCCAGCACAGCCAGAATTGCATCCTCTGGGATCTTCTGAGGTGGA
CAGCACTTTGAATGTAGCATTTCACTGGAACAGAGTCTTATGTGCTGCACCGGGGGCAAAACAACACTTTG
TCAGTGCTTTTGAACCTTTCAATATTGTAGCATGCTTGAGGAGTTTTTCCCTTACTGGCCACCAAAGTTCT
GAACCACTTGCAGGTTCCAGGTTTTACTGGCTGCACCACACCCCTTCCCCTAGATGACTGCCTGTGCAGAG
ACACAGTTTGCACCATTAGCCTTACCTGCCCTGCCCTGATTGTGAGACCCAAATGTGTAGGCTCTAAATTC
CAGCCATCAAATCCAATTCCTGGTGGGGAAAACCTTCTGGAGACCCCCAACCTTCTGATAAAAGAGTCTCT
ACCTCCAGGGAAAGCCTTCTTACCACACTGGCATATCAGATGAAAGCATTGCACTGTACCTCTCGTAACAC
AGCAATACAGTCCTCTTGAGGCACTCAAGCCTGAGAGGAAGCTCAGGATCTGACACGTTCTTCCTTTTCCT
CACAAGTCATCATGATTTTTTATTTTAAAATAATCTGGAAGTAATGGGAACTTAGTTTTTCCTGAACTCCA
ACCAGAATCCAAATTGGTTAGATGAGGCCAGGCGCGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGG
CCGAGGTGGGTGGATCACCTGAGGTCAGGAGTTCAAGACCAGCCTGGCCAACATGGTGAAACCCCATCTCT
ACTAAAAATACAAAAAATTAGCCAGGTGTGGTGGCttgtgcttgtagTCCCACTTCAGTCTAAGTAGCTGG
GACTACAGGCACGTGCCACCAGGCCCAGCTAATTTTTGTGTTTTGTTAGAGATGAGGTTTTGCCATGTTGC
CCAGGCTCGTCTTGAACACCGGGGCTCAAGGAATCTGCCCATCTTCGCCTCCCAAAGTTCTGAGATAGCAG
GTGTGAGTCATCATGCCCAGCCTCCTTGAAGTTTACTAACAATTGGGATAACTGAGGGAAGAGAAGTGACA
ATTCCACTCAGTCTATTAGAGGTCTGGATATAAGGTAGCCACACAATAACTCTAACTTGACTTCTAACCAT
TCTATCTTATTGATTTGGAGGCTGTCTTCTGCCAGATTTTTTGTGGCTTGAGATGATATTTTCGAACCCTT
CTTTCACTACCTTTCTTACCCTTAATGTGCCAAGCTTGAAACAGGATTTGATTTCCTGAGCTACTTGTTCG
CCTTCTGCGCGTCACCAAGTAATCTGGTTCATCTTTCATCTCATTCATGTTATTTTCGAGTGAAACAAGAC
ATTTTGGGGGTCAAGTCTCTTTGGGTGTTTTGTTTTTATGTATATAAAAATGGATTTTGTGTTCCCTTTCC
ATGTAAGTacccaacttatatgggaactcccaatcgttagttcagcaggaacggaaagcctggggatggac
actaagatggcgtcccgatttagaactcccggaaaaaaaatgcgttggaattagtccggcaattaatttaa
tttgaattatccccttaaaaaaaaggggggtaaaacacaggcacttagacaca
Table3 4413
ACGCGGGGGAAGTGGTAgcaGTTCCTCCTAACTCCTGCCAGAAACAGCTCTCCTCAACATGAGAG
CTGCACCCCTCCTCCTGGCCAGGGCAGCAAGCCTTAGCCTTGGCTTCTTGTTTCTGCTTTTTTTCTGGCTA
GACCGAAGTGTACTAGCCAAGGAGTTGAAGTTTGTGACTTTGGTGTTTCGGCATGGAGACCGAAGTCCCAT
TGACACCTTTCCCACTGACCCCATAAAGGAATCCTCATGGCCACAAGGATTTGGCCAACTCACCCAGCTGG
GCATGGAGCAGCATTATGAACTTGGAGAGTATATAAGAAAGAGATATAGAAAATTCTTGAATGAGTCCTAT

Table 6
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AAACATGAACAGGTTTATATTCGAAGCACAGACGTTGACCGGACTTTGATGAGTGCTATGACAAACCTGGC
AGCCCTGTTTCCCCCAGAAGGTGTCAGCATCTGGAATCCTATCCTACTCTGGCAGCCCATCCCGGTGCACA
CAGTTCCTCTTTCTGAAGATCAGTTGCTATACCTGCCTTTCAGGAACTGCCCTCGTTTTCAAGAACTTGAG
AGTGAGACTTTGAAATCAGAGGAATTCCAGAAGAGGCTGCACCCTTATAAGGATTTTATAGCTACCTTGGG
AAAACTTTCAGGATTACATGGCCAGGACCTTTTTGGAATTTGGAGTAAAGTCTACGACCCTTTATATTGTG
AGAGTGTTCACAATTTCACTTTACCCTCCTGGGCCACTGAGGACACCATGACTAAGTTGAGAGAATTGTCA
GAATTGTCCCTCCTGTCCCTCTATGGAATTCACAAGCAGAAAGAGAAATCTAGGCTCCAAGGGGGTGTCCT
GGTCAATGAAATCCTCAATCACATGAAGAGAGCAACTCAGATACCCAATGATGTTAGCTGTGGAAGCTACA
AAAAACTTATCATGTATTCTGCGCATGACACTACTGTGAGTGGCCTACAGATGGCGCTAGATGTTTACAAC
GGACTCCTTCCTCCCTATGCTTCTTGCCACTTGACGGAATTGTACTTTGAGAAGGGGGAGTACTTTGTGGA
GATGTACTACCGGAATGAGACGCAGCACGAGCCGTATCCCCTCATGCTACCTGGCTGCAGCCCCAGCTGTC
CTCTGGAGAGGTTTGCTGAGCTGGTTGGCCCTGTGATCCCTCAAGACTGGTCCACGGAGTGTATGACCACA
AACAGCCATCAAGGTACTGAGGACAGTACAGATTAGTGTGCACAGAGATCTCTGTAGAAAGAGTAGCTGCC
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TGGATGATTATTTTATGTTTTAGGGACCCCCAACCTCAGGCAATTCCTACCTCTTCACCTGACCCTGCCCC
CACTTGCCATAAAACTTAGCTAAGTTTTGTTTTGTTTTTCAGCGTTAATGTAAAGGGGCAGCAGTGCCAAA
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ccgcggaaagaaaccacagaagcgcacactcgcgcctacagcgcacaaaaacaatagaaaagcgaaagaaa
gacaacgcacaaccagacaaacacaaccgcacaccaacaagcgaggcgagagaggacgagagggaggatga
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gaagataagcagaggagcagcagagagaaaggaagagaagagcgagacaggagaggcggagcaggagtgag
caaaaggcgggaa
Table3 4415
agccagctgttcttggaggtcctgcccctgggacttgtccgGCtCatcCAGAGTGAggAgggcct
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CGTTCCTGAGAGTGAACCAGGACTTTATATTGCCTGAGCTCCTCAGCTTGCTTGAGCTGCTCTGCAAGCTT
CTCCTCCTTGAACTGTCGCTCATTCCTCAGCATAAATCTTATGAGGTCTTTACACTCTTCATACTTGTATT
TCTTCTGTCGGTTGGCCAGGAAGCCGGCCAGTTGAGTTAGAAAACATCTCTTTGAGGTTTACGAACTGCTG
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AAACTCAAACATATGATGGgttaaaaactggtgaaatcaaataggtttaatcaggactgagggatgtcagt
aactgaaattcttaccttACCGAGAGTGAATGCTGAAGGAATGATCCCCATTGGTGGTGACCCTCAGGTGA
GACTAGGGTGCCTGTGTTTCAGCAAAGCCTGGGCAATTGGAATGCAGGGCTCCTAAGATTCCATGACACCC
CTACCTTCTAATTCTGTTATTGCAACTGCAGACGGTTACCTGGCACGCTGGCCACAATCTACCTCACTCTT

Table 6
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ATCAGAGTCTGAGCAGTGCTTTCAGCTCTGAGTTGAGGCACCTCGAACCTTGTTTTTGTGGTGAAGGATCC
TAAAGTGCTGTGGgGAGTGATCACATTTTTCACAACATTAAGTTAAGAattTCAGTTACTGACAtccctCa
GTTCTGATTAAACCTATTTGATTTCACCagtttttaaCccATCATATGTTTGAGTTTCTTCTCCCCAGTCC
CTGACTCCACCTCTTCTGCCACAAACGTCAGCATGGTGGTATCAGCCGGCCCTTGGTCCAGCGAGAAGGCA
GAGATGAACATTCTAGAAATCAACGAGAAATTGCGCCCCCAGTTGGCAGAGAACaaACAgcagttcgTaaA
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AAGTccTggttCACTCTCAGGAACGAGAGCTGACGCAGTTAAAgGAGAAGTTACgGGAAGGGAGAGATGCC
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CCTCCAAGAACAGCTGGCTGAGGGGTGTAGACTGGCACAGCACCTTGTCCAAAAGCTCAGCCCAGGGAGGT
GCAGAAGGCTGAAGAGAGCAAAGTCCCTGAGGACTCACTGGAGGAATGTGCCATCACTTGTTCAAATAGCC
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CCCCACCTCTTCTGCCACAAACGTCAGCATGGTGGTATCAGCCGGCCCTTTGTCCAGCGAGAAGGCAGAGA
TGAACATTCTAGAAATCAATGAGAAATTGCACCCCCAGCTGGCAGAGAAGAAACAGCAGTTCAGAAACCTC
AAAGAGAAATGTTTTCTAACTCAACTGGCCGGCTTCCTGGCCAACCAGCAGAACAAATACAAATATGAAGA
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TCAAGCAAGCTGAGGAGCTCAGGCAATATAAAGTCCTGGTTCACTCTCAGGAACGAGAGCTGACCCAGTTA
AGGGAGAAGTTACGGGAAGGGAGAGATGCCTCCCGCTCATTGAATCAGCATCTCCAGGCCCTCCTCACTCC
GGATAAGCCAGACAAGTCCCAGGGGCAGGACCTCCAAGAACAGCTGGCTGAGGGGTGTAGACTGGCACAGC
AACTTTTCCAGAAGCTCAGCCCAGAAAATGACGAAGATGAGGATGAAGATGTTCAAGTTGAGGAGGCTGAG
AAAGT
Table3 4416
CGAAGCACCTGACATGAGGGCGGGGACCCCGAAATGCACACGAAGTCCGGAACTGGTCTTCTGTG
ATTTTCATTCGCCCTGGTCTCTGTTCCCTTTCGTACTCAAAGCTCGTGCATCCAGGGAGGGGAAACCGGAG
ATAGGGTCTTCGGGCCCCGGGCAGACCCTCTGTGCCGCTGCAAACCGTTGCAGCCTGAGGCTGTCAGGTCC
TCCCCCAGACACCTGCGGACCCTCCCTCTCCTGGCTTCCCGTCTGGTCATGGCGAGATTCTGGGTCTGCGT
AGCCGGTGCTGGCTTCTTTCTTGCATTTTTGGTTTTGCATTCGCGTTTTTGTGGCTCTCCAGTTTTGAGGA
ACTTTACTTTTGCAGTTTCCTGGAGAACTGAGAAAATTCTTTACCGGCTGGATGTGGGTTGGCCTAAGCAC
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CAGTTGACACACCTCATGGTATATTTGCAGCAGTACTCTATATGAACATCCGTCTGGATCACGGATGTGGA
AGTGGATTCTTGGTCATACTGGTACCCAATACGCTCCTTGGGAACTGGTCACAGTCTGGGCTACTCCAGCA
AAAGGGCTAATTTGATCCTTGCAGGTTGATAACCAGCGAATTTGTGGAGGGCCCGCGAACTTCCTCGTGCC
GGGACGCGGCGCCTACCATGTCACCGGCCATCGCAGCCGGGCTGGAAGGACGGGGCACAAACACCACGGAC
ACACGCGCGGGGGGCCACAACACACAAACCGGCGGTATAAACACCTCACACAACACCCAGCGCACACACAC
AGTCCTGTCCN
Table3 4420
NNAGCTTCACCGCGGAGGCGGCCGAGGTACTATTTTTAAGAAAACACTGTTGGCATCTAATATAT
AGAAATGTATACATTTTGAAAGTGTAATGTTTGGCTTTGAAACTCTTCTCCCAGTTATTGAGTAGCACCAA
TTCAGAAGCACCCATCAGGAGTATAAGGAATTTTTCTAGACTTAATGTATTTATTTGCTTTAACAACANNN
Table3 4421
NNGCGTCCGGCCGCCCCAGCCCGCCCAGACATGACCCAGGCAGGCCGGCGGGGTCCTGGCACACC
CGAGCCGCGTCCGCGAACACAGCCCATGGCCTCCCCGCGCCTAGGGACCTTCTGCTGCCCCACGCGGGACG
CAGCCACGCAGCTCGTGCTGAGCTTCCAGCCGCGGGCCTTCCACGCGCTCTGCCTGGGCAGCGGCGGGCTC
CGCTTGGCGCTGGGCCTTCTGCAGCTGCTGCCCGGCCGCCGGCCCGCGGGCCCCGGGTCCCCCGCGACGTC
CCCGCCGGCCTCGGTCCGCATCCTGCGCGCTGCCGCTGCCTGCGACCTTCTCGGCTGCCTGGGTATGGTGA
TCCGGTCCACCGTGTGGTTAGGATTCCCAAATTTTGTTGACAGCGTCTCGGATATGAACCACACGGAAATT
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GTTTTGCTATGCAGTGGATGCTTATCTGGTGATCCGGAGATCGGCAGGACTGAGCACCATCCTGCTGTATC
ACATCATGGCGTGGGGCCTGGCCACCCTGCTCTGTGTGGAGGGAGCCGCCATGCTCTACTACCCTTCCGTG
TCCAGGTGTGAGCGGGGCCTGGACCACGCCATCCCCCACTATGTCACCATGTACCTGCCCCTGCTGCTGGT
TCTCGTGGCGAACCCCATCCTGTTCCAAAAGACAGTGACTGCAGTGGCCTCTTTACTTAAAGGAAGACAAG
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TTAATTATTTGTTGGTTGTCGAATATCATCAATGAAAGCCTTTTATTCTATCTTGAGATGCAAACAGATAT
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CAGCCCAGGGATTTCTCTTGTCTTTGGCCTTCTACGGCTGGACAGGATGCAGCCTGGGTTTTCAGTCTCCC
AGGAAGGAGATCCAGTGGGAATCACTGACCACCTCGGCTGCTGAGGGGGCTCACCCATCCCCACTGATGCC
CCATGAAAACCCTGCTTCCGGGAAGGTGTCTCAAGTGGGTGGGCAGACTTCTGACGAAGCCCTGAGCATGC
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CCCAAACCTTGCTCTCATCACCAGCTAGAGCTTCTTCCCGAAGGGCCTTTAGGATAGGAGAAAGGGTTCAT
GCACACACGTGTGAGAATGGAAGAGCCCCCTCCAGACCACTCTACAGCTGCTCTAGCCTTAGTTGCCACTA

Table 6
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GGAAGTTTTCTGAGGCTGGCTGTAAAGTAAGTGTAAGGTCCACATCCTTGGGGAAGTAGTTAAATAAAATA
GTTATGACTGAGCTCTCAGCCTGACTTGGATTCTGTCTTAACACTTCTAGCAAAAGAAAATAAATATATGT
Table3 4422
NATTCTCCTGTGAAATTTTCTCCCAGTGGCGCCCATCTCCGGGGGGGCCTCTTTGTCTCTTCTCC
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GCGAGGTGAAGACTCCACCATGGCGGGATTGTCCATAGCCATAGCGCCTTGCCCGGTTATCATCACGGCCA
GCTCCAGACATCTTGTCTAGCCATATAGAATGGCAAGATATGAGCGGCAGAAGGCACTGCTTTGATGAAGA
CAGGAAGGGTGCCATCAGTGCAGCCCCCCGCACCACAGCAGCCACACCCATTTTTGTGGACACGAGGCAAC
GTAAGTACTGTGGCATGGCGCAGTGGGTGACAGATGGCCACATAGCGGTCAAAAGCCATGGCCAGCAGCAC
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TGGAATTGAACCAGAAGATGGCCAGCATTTTGGGCATGGATGAGGTGGAGATGAGGATGTCAATGCCTGAA
AGCATGCAAAGAAATATATACATGGGCTCATGCAGGCTGTGCTCAGTCCGCACAATGTAGATGATTGTCAA
GTTACCTAGCACAGCAATAAGGTAGAGGGAGCACAATGGGAAGGCCAACCAGAACTGAGCCTCTTCTAAAC
CAGGGAGGCCTATTAGGATGAAGTATGTAGCACTGGATTCATTGCCATTGGGATCCACCATCATGAAGAAG
CTGAACTGTGACCAGCACCAGGCAGGTAGAGGCTCAACCGTATGGAAGGAATGTGTGACCCCCTTTGTCCA
GTCNNNN
Table3 4424
ACGCGGGGGCAGCAGAGCGAAAGGTGGTGGAGTCCTGAAGGAGGGCCTGATGTCTTCATCATTCT
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GTGGCTCAGGAGGTCTGGCAGCTGCTAAGGAGGCAGCCCAATATGGCAAGAAGGTGATGGTCCTGGACTTT
GTCACTCCCACCCCTCTTGGAACTAGATGGGGTCTTGGAGGAACATGTGTGAATGTGGGTTGCATACCTAA
AAAACTGATGCAtcaAGCAGCTTTGTTAGGACAAGCCCTGCaAGACtctcgAAATTATGGATggAaAgtcg
aGgagACAgttaaGCATGATTgggaCaGAATGATAGAAGC
Table3 4426
AGGGAGTCGACCCACGCGTCCGTGATGGGGGCTCTGTAGCACATTTGTGGCAGGGTTCTTTTCAC
CCTCCACAAAGTTGTATGAGCTCTGACTCTTGCCTGGGCTGAAAATGCGGTCTAAAATTATATATGTACGT
AGTACTTCTTAGGTTTTTTTAAGATCCTCACTGGACTAAATGGAAGAGAATTCTAAATTCTCAACGTGTTC
TAATTATTCTGAACTATTCTCCCTCTCCCAAAAACACATACAGATACACACAAATTTATTTTGTGTGTAAC
CCTTGACTTTCAGAAAGTTTGGGTTATTCTATGCATAATTTTTTTAAAAAACCATTTGGTTTAAAATAATT
TCAAACTTAAAGAATTTGCAAGAAGAGTATAAAGCATTCCCATATATTCTTTACCCAGATTCTCCAAATAT
TAACATCTTATCACATTATTTAACCCTCCTTTTGTGTGTGTGCGTGTGTGGTTTTCCCCCCACATGAACCA
TTTGAGAGTAAGTTGCGGACCTGTTGCCCCTTTATTCCTA
Table3 4427
ACCGCGGTGGCGGCCGCTTTTTTTTTTTTTTTTTATATTTTTAGTAGAGACAGGGTTTCACCGTGT
TAGCCAGGATGGTCTCGATCTCCTGACCTCTTGATCCGCCCACCTCGGCCTCCCAAAGTGCTGGGATTACA
GGCGTGAGCCACCCATCCGGCCTAACGAGACTTATTTTTACTCAACTAGATGGCGTTCATTCATTTGCTTA
CTCAGCTGTGCCAGGAATTAAGTTGGGCACTGGGAATTCCAAAACCAACAAGACATTCTCTGTCATCAGGG
AACTCACAGCCTAGTATGAGAGATAAACAAATGAACATGAAATTATAATTCAGTAACAAAGAATGAGTGTT
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TCATTTAGTGTTTATGACAACTCTGAAAAATAAGTATTTCCATTTTACAGATGTGAAGCCTAAGTCTCAAA
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TCCTTCTTTTTTTCACGCAGCAACTTGTCTCTTTCCATGGAAATGCCTGTTCTTCATTGAAATTAAGTCCA
TCTGGCATGATCTCCCTTGACTTCTTTCCTCTCTTTTTGAACATGTGTTGATCCTCAGCCCAGCAGATTGT
AAACTCCTCAAGGGCAGGTGCCCTGTTTTAATCCTTGTCTGTGTCCACATAATCAGGCATAAAAACAAGGG
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Table3 4430
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TTCTACAAATTTAGCTTACATAAACCCTTGATACACCCTTGAGGTGAGTAGGTATTATCTATAGTTTACAT
AAGATGAAATAGAGCCTCCCAGCAGTTAAGTAACTTGTGTGAAGATGGGACCCTTGTTCCTGATGGTTCTA
GAACCTTCATCCTTAATGATAATGCTAAAGTAAGT
Table3 4432
NACTCATGGCCTGATTGAGGGTGGGTGGCTGGACCCACTGTCCCTTTGCACACAGAGCAGATACT
TCTAAGCCATATCGACTGCAGGGCCGAGGAATCGCGCGCGCTGACTCAGGAGGTGAGGACTGGAAACAGGG
GGGGAGAGTGTTGGCCAGGCTGCTCTCGAACTCCTGATGATCTCAGGTGATCCACCCACCTGGCCTCCCAA
AGTGCTGGGATTACAGGTGTGAGACACCGCGCCCAGCCCGCAGCTTCAAATATTTTGTTTGTAGTTCTCTT

Table 6
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TTATCGTGTAAAATCTGTGGTTTATAATTACCCCCGAGAATGCTCTCAAATTACAGTTTTAGCCTCCATTT
GTTTTCTCAAATCTCCTCAATGGTTCACACACTCTAGGGGCTCTGAAAAGAGGTGTGTACTTTTCCTTTTA
TTTATATCCTCTGCCCATTTTATATTAACGTACTTAACCCTTGTTTTTAATATGAGTTACAGATTTTTTTT
TCTGGTATGTCATTTGTCTTTTGACCTTGGTGTTTTGTTATGGATTTTTTTTTTTCTCAGACTTATCTTTT
ATGGCTTCTGCATTTTAAGTCATACTTAGAAAAGGCCTTTTCCATGTTCAGATTTTAAGGAATTTACTAGG
CCAGGCATGGTAGCTCANN
Table3 4435
AAATTATTCTTATTAAGGATGTGTTAAGGGGGAGGTATAAAGCAACATCAAAGTTTTCCCAAATG
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AGCTTGTCTGTGATATCCAGAGGGAATGTTTTAATTGACTTAATTTTCATTTTCTAGCTCTCGTCTATGTC
CACAACTGGGAAGTTAACAGTGTTCAGGGACCTAATCAAGTGAGTGTGGGAGTGTAATCTAAACTTAAACG
CCTCCAGGGGCCCCCGCGTACCTGCCCGGGCG
Table3 4437
gcGTCCgcaaCGGGGaatgcgagtctgGTCCCTCGCGCTCCCCGCCCCACGCGCGTGACCAGAGC
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CATTTTTAGGGTTTGTCTACATTTTTTGGGCTCTGGATAAGGAATTAAAGGAGTGCAGCAATAACTGCACT
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TTCTCAaagattaggtatatatttaaatggaagagaaaatatttttatgggagaaaaatacatttgaacca
tgaaatttcatcttttaaataacatccagtacagatatctgtg
Table3 4438
NNNNNNNNNNNNNNCGAGGTACTTCTAGAATTAATTAACCTAAGCGATGAAATCCAAAGGTGAATC
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ACAATCACAGTGAAAACCTCAGGTTGGCAGCCACTGGAGGATACAAAATGAGTTTGGATCTCCTTCAATGC
CCCATTCCCAGAGAACTGTCATTATTTGACCTGCTGGTAGTTCCCTAAAGGACGTGCAAGGATGTTTTTAT
TTGACTGGACACTTGAAGCTTGCCCTGTATGAACAGCCCCCATCTTCCCATGCTTGTCAAAAATCAGAGGC
AACTAACACTGCGGCTTCCTGAGAGTCTCACTCTGTCACCCAGGCTGGAGAGCAATTGCACAAACACTTGG
CTCACTGCAGCCTCAACTTCTTGTCCTCAAGTGATCCTCCCACCTTAGCCTCCTAAGTAGCTGGGACCACA
GTAGAGACGGGGTTTCACCATGTTGGCCAGTCTGCTTTCCTCCTAACCTCAAGTGAGCCGCCTGCCTCGAA
GATGCTTTATTTATAAGCGCTTTGGACACACTTTAATAAATGCTCTATTGTATACAGTTGAACTCTATATA
ACATTTTGAATAATATTGTTAATGCTTACCCTAAGT
Table3 4439
GGTTGGGGTATGATTTTGATCTGGGCACTAACGGGGACACTGATTGCTTTTGCCAGTAAGTCAAG
ACCAGCAGATAAAAAATAATTTTTAAAAACCTCGTGAGACTGATTTGCCGCATGACCGGGAGGAGGAAGAA
GCAAGCGTGGAAGGTGCTAACGGAGGAACCTAAACCTCCATCCTCTTTCCCTGGGAGGTTAAGAACTACAG
GGAGAGGCGAGAGAGACTATGACCGCCCTACGGCTAGAGTAGCCACGAAGAGAACACTTCCGGGGCGGGGC
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TCACATCAATAATCTTTATAATACAGTTTTCTGGGCACTTATACAACAATCTGGACTAACACCAGTACAAG
CCCAAGGGAGATTACAGGGAACTCTTGCAGCAGACAAGAATGAGATTTTGTTTTCTGAATTCAACATCAAC
TATAATAATGAGCCGCCGATGTATAGGAAAGGGACTGTGTTGATATGGCAGAAGGTGGATGAAGTGATGAC
AAAAGAAATTAAGCTGCCAACAGAAATGGAAGGAAAAAAGATGGCAGTGACCCGGACCAGGACAAAGCCAG
TGCCCTTGCACTGCGATATCATCGGGGATGCTTTCTGGAAGGAACATCCAGAGATTCTAGATGAAGACAGC
TGACCCTTTTGCGCTTCAGTTCTGGTGTGCTTAACCATGCAAGCCCTCCCACCTCCCAGGGCTCCTTGCCT
TAGGTGGCTGTAGCATCCCTACCACCCAGGACACTGGTGCGAATGACACAACTCAAGTTGGGAGGGGAACA
GGGAAGGAAGGGATGGATGGGGGTGGTGTATCTTACTCTGTTTAAGCAGAACACCTTGTTTGCGGTGTTGG
AACATGGTTCCTTTGGCAGAAGTGCTTTTTTTTTAATCGCAGTACTATTTTTATAAAGCAAGAACTATTCC
ATGCCCNNNNNNNNNNNNNNNNNNNNN
Table3 4440
ACGCGGGATAGGAACTTGGCTTGAAATGTTAAAAAGGCAGGAAAAAACAGCAGAATCTATTTTTC
ATTGTGGGAGAGCCCAGGTTGTCCTGCTTATCTGAAATTAAGCCCAAATCCTAAAATTTCTGAATACCTGC

Table 6
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TGTCAGCTTCCTGCAAACGGGCCAGGTTGCCTAAGGAATGTCATGAGAGAGCTGGCAGAGGCAGGGGACAG
GACAGGCACCAGCAAACACCACTTCACCATGCAGCTATTTTCATGTCCTCCCAGCCCACTGAAGTGCTGAT
AATGGCTTGGATCAATTCAACAAACACATTTCGTATACCTCCTTTGCACCAGACAGTGTTCACCGAGGCAC
GCAGGGTGGCCGCAGGTTTAAACTTACACGAATCGCTTTCTGGAGGAGGAGGGGACCCGCTGCGCGATTGA
CACGCATATTCCTATAGGCATCCTCCCTCAGCCCCCACCCCCACGGCCGGATTCGGGTGGCTCTCTCCGAG
GTGAAATCTGAGAAGAAATCCTTGGATCTCTTTTCCAAAAAAAAAAAAAAAACAAAAAAAAATTTGGGGGG
CCCGGGGGCAAAAAATTTTAAACCATTTGTTGGGGGGGGGGCCCCTATGCTCAGTACAACTGGGCAAAGCGG
TGCCAAGGAAACCCGGCACATGAACATGTGTGGGATCCCCCAAAATAAAACCCCGGGGGCCCAGGCTGTTC
GACCACCTCAAAGGGGTGGCCGCCAGCGGCCTAACAAACAGCCAAGGAGCAGTATGCCGCCCCGGGTGGGG
TAAACAGGAGAAGTACTACGAAAGAAAAAAACAGAGCGAAGAGAGCAGGAGATACAGGGACAGCATCGACG
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Table3 4442
NNCGCTTTCCAATACTCGGGACTGGGGAACCCGGGAGAATAGAAGCAGGCAAGGACCGCCGTGGG
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CTTCCGAAGTAGGTGAGTTGCTGCCTGAAGAGAAAAGACAAACTCCAGTATCTTTCATTCCATTGGCCAGA
CGCGCCATTCCCCAAGTGAGTTCTGTTCTCCAACCAAAGTGCTGGATTCCAAGGGACTGGAAGGGAAAGTC
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CATCTCTGTGTCCGAATTCTGTGTGCAGCAAACATCATCTCAAGTGCGTTTTCCCAACTACGCTTCTTTCC
AGGATAAAATACTCTAAGTGACAAATGTTGAGTACATTATCAGCTGGAGCTCTGGAGCCTTTGCTTCCTCA
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CCAAAGTAAAAGTAAGCAGAAGGAAGATAACCACATATTTGGCAGGCAGGACAAAGCATCGACTGAATGTG
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GCAGCTTCTCAGAATCCTGAGTCAGAGAAAAGAAACACCTGTGTGTTGAGAGAACAAATCGTGGCTCAGTA
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Table 6
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TGGAATTCCACTGGACCCAATCTGTTTTCCATTTCCATTGCAATACTACTAAAGCCATACAATATCAAGCA
CCCTCCCTCTAGGTCCAGGGACTATCACAGAAGAAGCAGGCATGTAAGATTTTAAGGACTGGTTTCGAGGG
GTCGAGTGTAGGAAAACAGCCTGTTGCATTGTAAGAGTGATGTCATCTTGAAGAGCAGCTGGCATGATGAC
TGCTGTTTGACTCCTGCATACCAAGATATTCTGCAGCAATGTCTTTAAACAGTGCCGGTAGTACAGATAAC
CCCTCATAAAGATGCTTATCTAACCTCCCCAGTGTTCAGGTGTTTCACAAGAAAGTCTGAGATATGACTAG
CTACACGTTTTGCCAAAAATGCTTGTTATATAAAGGGTACTTTTGGGAGGGTGAGTGCCGCCATTTAGTGG
CTGCTAGAAACATTGCTTCTGTTTGTAAGTTCCTATTAAATGTTTCTTTCTGAGAAAAAAAAAAAAAAAAA
AACCTCGTGCCGAATTCTTGGCCTCGANNNNNNNNN
Table3 4443
NNNNNNGGGCCTTTGCAATCTCCACGTTGCGATGGATCCTTGGACCCACTTTTGTTAACTCTTAA
ACTTTGTGTCTTTGTCTTTATTTCTTTTCTCATTCCCTCGTCTCCACCGGGAAGGGGAGAGCCTGCGGGTG
GTGTATCAGGCAGGTTCCCCTACATCTTTGGCACCCAACACGGTCTCCTTGAACCCAGGTGAAGTTACACC
TGAGCGTGGTCGTTGTGAAGAACGGTCTGTCCAGGAACTCCCGAGAACGTGTGGTCGGCCTTGCGGTAAGC
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ATTCCTTGAGGACCCCGGGACCTTCAGCGGCTAAAAAGAAGCCTTATGCACAGAGTTAACCAGACGCCTGG
GAGCGCGGCCCAGGACACCGGGGCCCAAAAGAGAGGGCCGGGGGGCACCACGCCCCAAAATGGCCCCCACG
CGGGGGCCCAAGGCGCCGTGACCAAAGGGGAGCGCGCGAN
Table3 4444
AGGCATGTGTGTGTTAGAATCAAACAGGTCAGAATTGGAGTGGGAGCTCCTCAATATGGTCTTTG
TATTATCAAAGCAAACATTTTTTGGCACTTACTGTGTACCGGGCCTTGTGCCAAACACCTTAGATGGGTTA
TCTCTGAACTTCACATCAGTCATATGAGGTGGGTAATATCATTATCTACATTTTACAAGTATGGAAACTGG
GGATTACTGAGGTTATTTGCCCAAGGTAACACAGATGGTAGATTCTGGAGCCAGAGTTGGAAACTGGGTAG
TTTGCTCCAGACCCAATGATCTAGCATCCTAGATGTGGTCCATTAGGGCTCTCTCTTTTCATCCGTTTGTA
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AAATAGTTGGCACCAATTCTCATAAAAAAAAAATGGCACAAAATGGTGCATATTTTTACACACACACTTTT
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Table3 4450
ACGCGGGGGAAGTGGTAgcaGTTCCTCCTAACTCCTGCCAGAAACAGCTCTCCTCAACATGAGAG
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GACCGAAGTGTACTAGCCAAGGAGTTGAAGTTTGTGACTTTGGTGTTTCGGCATGGAGACCGAAGTCCCAT
TGACACCTTTCCCACTGACCCCATAAAGGAATCCTCATGGCCACAAGGATTTGGCCAACTCACCCAGCTGG
GCATGGAGCAGCATTATGAACTTGGAGAGTATATAAGAAAGAGATATAGAAAATTCTTGAATGAGTCCTAT
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AGCCCTGTTTCCCCCAGAAGGTGTCAGCATCTGGAATCCTATCCTACTCTGGCAGCCCATCCCGGTGCACA
CAGTTCCTCTTTCTGAAGATCAGTTGCTATACCTGCCTTTCAGGAACTGCCCTCGTTTTCAAGAACTTGAG
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AGAGTGTTCACAATTTCACTTTACCCTCCTGGGCCACTGAGGACACCATGACTAAGTTGAGAGAATTGTCA
GAATTGTCCCTCCTGTCCCTCTATGGAATTCACAAGCAGAAAGAGAAATCTAGGCTCCAAGGGGGTGTCCT
GGTCAATGAAATCCTCAATCACATGAAGAGAGCAACTCAGATACCCAATGATGTTAGCTGTGGAAGCTACA
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AACAGCCATCAAGGTACTGAGGACAGTACAGATTAGTGTGCACAGAGATCTCTGTAGAAAGAGTAGCTGCC
CCTTCTCAGGGCAGATGATGCTTTGAGAACATACTTTGGCCATTACCCCCAGCTTTGAGGAAAATGGGCTT
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ATGGGCAAAAAACCAATTTACCCATCAGTTCCAGCCTTCTCTCAAGGAGAGGCAAAGAAAGGAGATACAGT
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GAGGCTACAGAACTAAAAATTAAAACCTCTTTGTGTCCCTTGGTCCTGGAACATTTATGTTCCTTTTAAAG
AAACAAAAATCAAACTTTACAGAAAGATTTGATGTATGTAATACATATAGCAGCTCTTGAAGTATATATAT
CATAGCAAATAAGTCATCTGATGAGAACAAGCTATTTGGGCACAACACATCAGGAAAGAGAGCACCACGTG
ATGGAGTTTCTCCAGAAGCTCCAGTGATAAGAGATGTTGACTCTAAAGTTGATTTAAGGCCAGGCATGGTG
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Table 6
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CAGCCTGGGCAACATGGTGAAACCTTGTCTCTACATAAAATACAAAAACTTAGATGGGCATGGTGCTGTGT
GCCTATAGTCCCACTACTTGTGGGGCTAAGGCAGGAGGATCACTTGAGCCCCGGAGGTCGAGGCTACAGTG
AGCCAAGAGTGCACTACTGTACTCCAGCCAGGGCAAGAGAGCGAGACCCTGTCTCAATAAATAAATAAATA
AATAAATAAATAAATAAATAAAAACAAAGTTGATTAAGAAAGGAAGTATAGGCCAGGCACAGTGGCTCACA
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TGGTCAACATAGTGAGACACTGTCTCTACCAAAAAAAGGAAGGAAGGGACACATATCAAACTGAAACAAAA
TTAGAAATGTAATTATGTTATGTTCTAAGTGCCTCCAAGTTCAAAACTTATTGGAATGTTGAGAGTGTGGT
TACGAAATACGTTAGGAGGACAAAAGCAATGTGTAAGTCTTTAATGCCGATATCTTCAGAAAACCTAAGCA
AACTTACAGGTCCTGCTGAAACTGCCCACTCTGCAAGAAGAAATCATGATATAGCTTTGCCATGTGGCAGA
TCTACATGTCTAGAGAACACTGTGCTCTATTACCATTATGGATAAAGATGAGATGGTTTCTAGAGATGGTT
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ccgcggaaagaaaccacagaagcgcacactcgcgcctacagcgcacaaaaacaatagaaaagcgaaagaaa
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gaagataagcagaggagcagcagagagaaaggaagagaagagcgagacaggagaggcggagcaggagtgag
caaaaggcgggaa
Table3 4451
TTTCCAGGGAGTAAAAAGGCCTTTTGGGTGGCACATAAATCTACTGCGGTGCTGCCTGCTGTGGC
GCGGGACAGCTGTTGAATTGTTGTAATTGGCTGACTCCCTGAAGTGGTGGTATTTTCTGTAGGGGTTGTTG
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TTCTTGTACTCCATCAATCCACCAGGTTTTAAACTGTAGATACTGAGAGGATGAAAGGGAAGATTTGGCCA
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AGTCTCAGCTCGGGCAGGCGCTCCTACTTGAGTCTCTTCCCCGGCCTGTACCAGTTGTAAAATTACCAGGA
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CAGGCATCTGAACCACGGGAGGAGGAGTTGATGGCGATCGTGGTTTAGGCTCTGATGGCCCCAATGATTCT
GGACCTCCTTCCCCCAATTTTGATGATTCAGGGTATATTATCTCCTGTAATTGACTGTAGTCAACATTTTG
CGTTGACTGAGCCATTACAGACTCTGCTACATATTTACAATGTGAACTTTCCGTTCCTTGCTGGGATTCTG
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GGGGTGGCCTGCCCCTCCACACCTGTGGGTATTTCTAGTCGGGTGGGATGAGAGACGGAGAAAAGAAATAA
GACACAGAGACAAAGTATAGAGAAACATCAGTGGGTCCAGGGGACCAGCACTTAGCACACCAAGGACATGC
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Table 6
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Table3 4452
ACTAAAGATATACAATAAAAGGGAAGAAGATTTTCCTAGTTTAAGAGAGTATAATGATTTTCTGG
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GCTCTGCTCCTGGCGCAGCATAAAGACAGATC
Table3 4453
NNNNNNNNNNCATGAACTATGAAAGCTCAAGGGTCATGGCTATTGGCCCCCAGAAAATCCTGATA
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TTTCTTACAGTACCCTTTAGCAGTGTCATCTGGCTGTGTTCTGTAGTGTAGATGAGCCATTTTCCAAACGT
TGACATTTTTTGGACCAGAAGTGAGCTGGATCTTTTCTCTGGCTAAGGCTACAGTGGAGGATGGAGGAAAA
GGGGATGGTCTAATGGTCTTTTAGGAAGTGGCATGACGTGGGCTCTGAACGTGAAGTGGAAGGAACACAAA
ACATTCTGTTGATTAGGACCAATAAAAAAACATGGGAAATTGCTTGGGACATGATATTTAACATTTATTAA
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Table3 4454
acaccacctgagtccagaaagggaggtgtcaacaaaagaagataagcccatacagtgcacacctc
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CTTCCGATTTACGGACATCATTTTATTGCTATTTGTAGACGTGATAACATGAACATGAGTACCTATTTATG
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GCCCTCCTGGACTGTTTCTTTAATTTCAAAAGCCCTGCAGACATAGTACCTGGTCAGAACTATGCCTCGGT
TTATTTATCATTTTGAAATAAAATCAAAATTTCAACCTGTaAAAAAAAAAAAAAaag
Table3 4456
CCCACGCGTCCGAGCCGGCGGGACAGGCTGGCCAGCTGGGGCGGCCCGGAGTCTGAGCCTAGAGC
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TCCTACCAGAGGACCTCAGAAAGGAGCTCTATGAACTTTGGGAAAGAGTACAAGGCTAAGCATTTTAACTT
TATACTGGAAAAAAAATCAAACAAAGGGGAGGGATAAAGGACTTAGTCATCTTTGCACTGGAAAACAAAAT
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AAGACACTGAGGATGATGTTGATTAGATAATTCACTCCGTAATGATCATGCTGTGTGCTAGTAAGTATAAC
CCTGGAAAGATCTTGAGATGCTTCCCAGCCTGTTCACAGATCCCCTGGGCCAGAACACTCCTTAGGAAAAA
CAGTCAGCTACATATTAGGCAGCAACACGAAGGGTCTTTGAACAAAATGAGTAATGTTATTCTACAGTGTA
GAAAGGTCACAGTACCTGCCCGGCCCGCTCGACAGCGCAATGAGGAAAAAAGCTAGAATTCTGGGCACACC
GATGGCCCATGCATCTGGCCGTTCTTTTACACACAGGAAACAGCT
Table3 4460
NNNNNNNNNNATGGTTTTCTGTGCCATTCAAGTACATGTTCCCGTTTTTTTTTTTTTTTCTTTT
TTTTGTTTGAAATATTGACTTTATTAGGAAAACATTTGATAGTTCTATTCGGTCATATAATCAATCACCTA
ATTTTAAAACTATGTGGCCAGAGGACATCAATTACAATATGGATTTTTCATTCATTCAACGAATATTTGAG
CACCTACAAGTGCCAGACATTGGAGGTACAGGGTAAACAGGAGGATCCTTGCTCTCACGGAGCTTACATTC
TAGCAGGAGGACAATATTAATGTTTATAGGAAAATGATGAGTTTATGACAAAGGAAGTAGATAGTGTTTTA
CAAGAGCATAGAGTAGGGAAGCTAATCCAGCACAGGGAGGTCACAGAGACATCCCTAAGGAAGTGGAGTTT
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GAGGGAACCTTATAGACCCTAAGGTGGGAAGGTTCAAAGAACTGAAAGAGAGCTAGAACAGCTGGAGCCGT
TCTCCGGTGTAAAGAGGAGTCAAAGAGATAAGATTAAAGATGTGAAGATTAAGATCTTGGTGGCATTCAGG
GATTGGCACTTCTACAAGAAATCACTGAAGGGAGTAATGTGACATTACTTTTCACTTCAGGATGGCCATTC

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TAACTCCAGGGGGTAGACTGGACTAGGTAAGACTGGAGGCAGGTAGACCTCTTCTAAGGCCTGCGATAGTG
AAAGACAAAAATAAGTGGGGAAATTCAGGTGATAGNNNNN
Table3 4461
NNCGCTTCTCGGCCTTTTGGCTAAGATCAAGTGTAGTATCTGTTCTTATCAGTTTAATATCTGAT
ACGTCCTCTATCCGAGGACAATATATTAAATGGATTTTTGGAGCAGGGAGATGGAATAGGAGCTTGCTCCG
TCCACTCCACGCATCGACCTGGTATTGCAGTACCTCCAGGAACGGTGCACCAAGTCGCGGTCTCCGGCGCC
AGCTACGCCGCTGCCGCTGTCACTATGGCCCATTACAAAGCCGCCGACTCGAAGCGTGAGCAGTTCCGGAG
GTACTTGGAGAAGTCGGGGGTGCTGGACACGCTGACCAAGGTGTTGGTAGCCTTATATGAAGAACCAGAGA
AACCTAACAGTGCTTTGGATTTTTTAAAGCATCACTTAGGAGCTGCTACTCCAGAAAATCCAGAAATAGAG
CTGCTTCGCCTAGAACTGGCCGAAATGAAAGAGAAGTATGAAGCTATTGTAGAAGAAAATAAAAAACTGAA
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GACAATGAAAAATGGTTTTGTATGACTTGAATAGTTTGTATAGTATATAATCTTTTCTGAACAGATGCTAT
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CAATATAACTTTCTTTGGGTCTTAAAGCAGGAGAATCCAAAGTAAATCCTGAACAAAACCTAAACACAGCC
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TGAAGGTGACACTGTTCTGTATATTCCCTATAGGCAGCTGGAGAGATCTGTGTGACACAAGATGCTTTTGT
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CTTAGATAACTGTGTGTGTGTGTGCCAGTTTGAACTCTGACACCACATTTTCCTTCTATGCAATCATGCCT
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TTTTTCAATTTGCCTAATAATAGCAGTTACCCTGATTGTAATTTATGTAACTTTAAACAGGATCACACTGT
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CCGTGATGCCTACCTCACAGGGTTGTTGTGAGGGTCAAATGAGAATGTATGTGAAAGATTTGTAAATGGTA
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GGTTTAACTAGCAAAAGCCTTGGCACCTGTTGGAGACTATGACCAAGCCAATAAAAAGGGCATTTAAATCA
GCCCTGTTAGTAGGAATGTGGCTATGGCTGGTGCCTCTTCTAGTCACAAGTTTGTTTTTGGAGGGGGTCCA
GAAGATCATTCCCTTGCATAGATTTCTCTTTTACCAATTTGAGTGCCTCCTACATGGGCAGCAGTGGACTA
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NNNNNNNN
Table3 4463
ctccACCGCGGTGGCGGCCGAGGTACTGAGGCTGTATACAGCCACAGCCTCTCCCCATCCCTCCA
GCCTTATCTGTCATCACCATCAACCCCTCCCATGCACCTAAACAAAATCTAACTTGTAATTCCTTGAACAT
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TTTCAGGACAATAAAATCATAAGCGATGGAATTATCCTCTCTACCAGAGAGAAATCATTTGCATTCCTACT
GGAATGAAATCTACCACGTAACATGTAATTTTAGAGAGTCAGGACCTTAGTTAATGGTAAACAGTGAGTCA
TACAGAGCTGCACTCCTTTAAACCACCACCATCAAATGGAAGTATAATTTAAGCCACTATGTGATTTGAAA
TtctctagCAGGT
Table3 4464
TTTTTTTTTTTTTTTTTGCCTTATAGAGTTAGGTCAATTTCCAAAAGTGCTGGAGTTTATGCCAAG
AATTAAGTGACTCCCTGGTTGCAGTGGCCAAATAGCCTGAAATTTTCAAAGTAATACTAATTTTGCAAAAC
TTTTCATGTAAACTCCTTTGCCTGACCATGCCCTAATTTTTGTGATTAGGAAAATCTGGCTCTTATCCCAC
TGGAGGAAAAGTGTCTAGTTCATATTCTAATGGAAATCATCACTTGGGAGGTGTTTTGACAAACATCTCTC
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GCATCCTAGCTCTCTTAGGAGTTCCTTTTAATTATCCTAAAAACAGTTAAGAGTATACTGAGCCAAAATAT
AATTAGGTTGAGAAACAATGAACTCCTAAATGACCAATCAAGTTTTTTCNCAACACCCGCGTTAATTAATT
CTAGAAGACTTCCGANNNNNNNNNN
Table3 4465
NCCGCTGTCGCTTTGTTACACTGCCGGGGATTTCCGTGTGGCCCGCCCCCCAGTGGATCGGTGCC

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CCCCCGCCCATTGTTACTTACCCGTTAGGGGCCATTTACTCCCGGGGAGAGGTCTGATTCAATGGTGAGCA
AATTGTTGTGTCCCAGCGGGCCCATTGGCCCATCTCGAGTCACGCAACGTGGCCTCCTGGGTTCAAGCCAT
CTCCGCTCAGTCTCCCAAGTACCTGGATCCACAGGCACCCCCGACACACTCAGCCTGATTTTTTTATCTTT
AGTAGAGACGGGGTTCACCATGTTGCCACGCTGGTCTCGAACTCCTGACCTCAGGTGATCTGCCCGCCTCG
GCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCACCGTGCCTGGCGGAACTAAGATTAAAGCAAAGACCA
CGATCAATTACTTAACAAGAACACCACATTTTGATGCTCTCTGTAGGGTCATTTTTTTTTGTCAGGAAAAT
ATCTGATCTGATTCTTCCCAGCTTGCTTCCCCTACAACTTAATAAGCCCTTCACTAACCCCTGTATGTATT
AACTGCAATTGCCTAGCCCGGCATTTACACTCTCAAAAGATTTAACGCAATTACAATCAAAAAACACTTGT
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AGTTATTAGTTACAAAATGCTAAGACAGATTGAGGTCTCAAAGAAAGAACTTGAGAAAATTATGTTTTAAA
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TTCTGCATCTTGTCTGGAACAATTGCTGAAAGAACAAATATGAGAATGATAATATCAAGACTGCCCTTGGG
CACTGGGTAACTCTTCTCTTCATCACACAGGTCGTGAACAAAGGCAAAACACCGAGAAGGATCATATTCTG
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GTGTCTGTGTTTTATGTTCAAGGCTCTTCGAAGAACACTTGTGCTGTTCTTCCATTATTAAACCAGGTCCA
TCCTCATTGTTTCTACATTCACATACTTCACTCTTGTTCTCCAAGAACCAATCCTTCAAATGATTTTGATT
TTGGCTAGGTGCCAGCTCAGGGAATTCGGTAAAAAGCCAATGTCTATCCTTGAAAAACCCATTTTCGTGGA
TTTTGTAGAAGTCATTCCAGTATTTGTGGGCATTGATCTCATAATCAACAGGCATTGTGGTGGAAGACCCG
CGCCGGATCGCTCAGGAACCGGCTTCCGAACTGCTGCCTCTTATCGGCGAGGATTGCAGGTGCACCTTCAG
GGTAGGAGCCGGCCANNN
Table3 4468
NNAGAGTGAACTGNACCTGTGCATTTGTAGACGTAAAGGGCGTTGTATAAAACTCAGGGTCTCAT
TATTAAAATAAATATGTAAATTTAGTATACACTCTGGTATAACTCAAAAAACTAAGGTAGATCTCAAAAGA
TGTGTGACATTCAGCATTATACTGTAAATCAATAATATAGATATTGTACATAGCACCATTATTACAATAGC
CAAAAGCAACCCAAGTGTCCACTAAAAAAGGAAGGAAATTCTGACATATGCTACAACATAGACGCATCTCG
AGGACACTGTGCTCAGAGAAATAAGCCAGTCACAGACAGACAAATACTTCATGATTTAACTGATATGAAGT
GCTTGGAATAGTCAAACTCACAGAAACAGAAAGTAGAATGGGGTTGCTGAGGCTGGAGGGAATGGAATGTT
TAATGTTATTTAATGGGTACAGAGTTTGTTTTGCAAGATGAAAAAGTTCTGGAGATTGGTTGTACAACAAT
GGCGACATACTTAACACTACTGAATGTATACTTAAAAATGATTCAGATAGTCAACTTCTATTATATGTATT
TCACCACAAAAATTTCTTAAAGTAGCAAGAAATAAATAAAATTGTAAAAACCTGATGTTAGTGGCTATGTA
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TATAAAACCATAAGTGCTCACTGCCGAGGCAATGCCACTCCAGGGGATACATGTGTACACTAAATTTACAG
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CTCAACAAGGAGTAGCTGCTGCCAAACATCTACATTCATTTACCCGCATTTCACAGACACAGGCTTGGGGA
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GGGCTCTCTGGCCACAGGAGGTGGGTTCTGAGAGCACCATGCCCCTCCTCACACAAACACAGATTCCACAA
CACACACCACGGGGAAGAAGGTTTAAATGTAAAAAACGAAACCATACAAGTTCCATAAGAAAGTATGGATT
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CTAAGAAAATCGTTTAACTTTTATCTACCTGAAACACAAAATTAAAAGGCAACCTATAAACTGGACAAAAA
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AAACTATAGAAACAAGGAAAGCAAAGCTTGAAGGTCTCAGTGAAGCTGTATAGTGGTAAAGAGTATAGACT
CTGGAGTAAAAAGTGCCAGGATTTGAATCTCAGCTCCTTGACTTAGTGGCTACACATCCTTACGCAAGTAA
TTTAACTTCGTGTGCTTCAGTTTACTCAAATGAAAGTCAGGATTAAGGGTACTTGTGTCATATTGTTGTCA
CGGGGATTAAATAAGTAATCCATGAGAGAGCATATAGAATAGTGCGTGACATATAGTAAATATTTAGCATG
TATAAATTATTATAGATTATAATACTTANN

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Table3 4469
NNNNCGCGGTGGCGGCCGAGGTACTTGGAAGTTCTAGCATTACACAGACTAGCTTCCATTTCTCT
CATAGAGGTCATTTTTGGCATTTAAAACACATACTTTTAGAAAACAGATTTGGATGTATGTAAACACAGGG
TTAATCCACCACACTCTGGATGCTAGAGCTGTTGACAAAGTCATGCTTTGCAGATTTTAAAATAAACTTTT
TGTTACTCTTACAGCTTGGTATTTTCCCCTCCTATTTTTTTTACCTCCTCTAAATAAACCTCTTTGTTAAA
TAATTGATGTTTCTGGATCATAGAAAATAGTAAGTTTAAAATACAGAATATTTCCAAGCTAACTACAAATC
TGATGACAGTTTTTTGAGTGTGCACTTTTCCTTTTATTTCTTAGGTCCTTTTTGGTCCTTTGCAAACATAG
TAAGATTCCATATTTGTGTCCCAACTGTGGTAATATTGCTGACTTCTTACTGGAAAACAGTCAGCTCTAGG
TAGCATTTCTTCTGTGTGGTATTTAAGTTAAATTATTACCAAAAAAAAAAAAAGTCGACGCGGCCGCGAAT
TTAGTAGTAGTAGGCGGCCGCTCTAGAGGATCCAAGCTTACGTACGCGTGCATGCGACGTCATAGCTCTTC
TATAGTGTCACCTAAANNNNN
Table3 4470
ctccACCGCGGTGGCGGCCGAGGTACTGAGGCTGTATACAGCCACAGCCTCTCCCCATCCCTCCA
GCCTTATCTGTCATCACCATCAACCCCTCCCATGCACCTAAACAAAATCTAACTTGTAATTCCTTGAACAT
GTCAGGCATACATTATTCCTTCTGCCTGAGAAGCTCTTCCTTGTCTCTTAAATCTAGAATGATGTAAAGTT
TTGAATAAGTTGACTATCTTACTTCATGCAAAGAAGGGACACATATGAGATTCATCATCACATGAGACAGC
AAATACTAAAAGTGTAATTTGATTATAAGAGTTTAGATAAATATATGAAATGCAAGAGCCACAGAGGGAAT
GTTTATGGGGCACGTTTGTAAGCCTGGGATGTGAAGCAAAGGCAGGGAACCTCATAGTATCTTATATAATA
TACTTCATTTCTCTATCTCTATCACAATATCCAACAAGCTTTTCACAGAATTCATGCAGTGCAAATCCCCA
AAGGTAACCTTTATCCATTTCATGGTGAGTGCGCTTTAGAATTTTGGCAAATCATACTGGTCACTTATCTC
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TTTCAGGACAATAAAATCATAAGCGATGGAATTATCCTCTCTACCAGAGAGAAATCATTTGCATTCCTACT
GGAATGAAATCTACCACGTAACATGTAATTTTAGAGAGTCAGGACCTTAGTTAATGGTAAACAGTGAGTCA
TACAGAGCTGCACTCCTTTAAACCACCACCATCAAATGGAAGTATAATTTAAGCCACTATGTGATTTGAAA
TtctctagCAGGT
Table3 4471
NAACACCTGTTGTCGAAGGTCGGCGGGGTCCCCCGCGGGGCCCCCGCGCCGGGACCATCCAAGGC
GCCCCCATGTACACGGCCAGCCGCCCTGTGTGGAGCTTCACCCTTGTTTCTCAAATGGCAGGGGTACATGG
TCCCCCCTGGCCCCGGCGCATAGGCCAAACCACATTGGGCAAAGTGTCTGCATAGGCCAACTTCATTACAT
CCTGGTGGACACAATAGGAGTGCGAGAGGACATTGGAGTGGCAGAAGGCCAGCCGCTTGATCAGCAGAGGC
AGTGGGAAAAAAAAGAGGGATCCGCGGACCACAGCCACGATGCCAATCTGGGCTGTTACTGTATTGTTGAG
CACTGCAGCATGGCGCAGTGGGTGGCAGATGGCCACATAACGGTCAAAGGCCATGGCCAGCAGGATGGTGG
ATTCAATGGCTGAGAGGGCATGAATAAAGAACATCTGGGTAAGACAGGCCTCAAAGCTAATCTCTCGGGAA
TCAAACCAGAAAAGGGCAAGGATCTTAGGCATGGTGGATGTGGATAAGGCCAGGTCAATGGCTGCAAGCAT
GCAGAGAAAGAGGTACATCGGAGCGTGCAGGCTGCGTTCCGTCCTTACGATGAAGACCACGATGCAGTTTC
CAAACATTGCCACTACATACATGGAAAGGAGGGGGAAGCCAACCCAGAAATGGGCTTTCTCTAATCCTGGG
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GGAGAGGGTGAGGTCACACTGGCAGTAGAGCCCATACAGCAGTTCGGCCTGTTCCTTTCAGGCTGACTCAG
AAGGCTGAGGAGGCTTTAGATTCCAGGGGAGGGCCGAGCTTGCAAATATGAGGAGACTTATTCCAGCCTGA
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GAGATTCCCAGAAGACTTCTTTTGCCTCATACAGTCCTTTTATATCTGTTCCATTATCCAATTACTTACGG
TGGCTATGTGCTTTATGGGCTGATGTAACCTTTTTTTCATGTGTCATTTCCCCCGCGT
Table3 4472
NNNNNNNCNAGTGGTCTGCTTTTATTCAGTAGAGTATTGTAGAGATTGTATAGAATTTCAGAGTT
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TGGAGAAACTGGACCCCAGGTCTGGAGCGAATTCCAGCCTGCAGGGCTGATAAGCGAGGCATTAGTGAGAT
TGAGAGAGACTTTACCCCGCCGTGGTGGTTGGAGGGCGCGCAGTAGAGCAGCAGCACAGGCGCGGGTCCCG
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GCCGCCCGCGCTGGCTGTGCGCTGGGGCGCTGGTGCTGGCGGGTGGCTTCTTTCTCCTCGGCTTCCTCTTC
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TGGAAATGAGATTTTCAACACATCATTATTTGAACCACCTCCTCCAGGATATGAAAATGTTTCGGATATTG
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CCGACCCTGCTGACTACTTTGCTCCTGGGGTGAAGTCCTATCCAGATGGTTGGAATCTTCCTGGAGGTGGT
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ATGATGCACAGAAGCTCCTAGAAAAAATGGGTGGCTCAGCACCACCAGATAGCAGCTGGAGAGGAAGTCTC
AAAGTGCCCTACAATGTTGGACCTGGCTTTACTGGAAACTTTTCTACACAAAAAGTCAAGATGCACATCCA
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GTTCATGAAATTGTGAGGAGCTTTGGAACACTGAAAAAGGAAGGGTGGAGACCTAGAAGAACAATTTTGTT
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TATACTAAAAATTGGGAAACAAACAAATTCAGCGGCTATCCACTGTATCACAGTGTCTATGAAACATATGA
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GCTGACAAAATCTACAGTATTTCTATGAAACATCCACAGGAAATGAAGACATACAGTGTATCATTTGATTC
ACTTTTTTCTGCAGTAAAGAATTTTACAGAAATTGCTTCCAAGTTCAGTGAGAGACTCCAGGACTTTGACA
AAAGCAACCCAATAGTATTAAGAATGATGAATGATCAACTCATGTTTCTGGAAAGAGCATTTATTGATCCA
TTAGGGTTACCAGACAGGCCTTTTTATAGGCATGTCATCTATGCTCCAAGCAGCCACAACAAGTATGCAGG
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AAAAAGGATTTTGGAATTTAAAAAAAAAAAAAAGGTACCTGCCCNNNNNN
Table3 4473
GGACATCCGGCTGATGGTCATGGAGATCCGCAATGCTTATGCTGTGTTATATGACATCATCCTGA
AGAACTTCGAGAAGCTCAAGAAGCCCAGGGGAGAAACAAAGGGAATGATCTATTGAGAGCCCTCTCTCCCA
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CATCTCAGCATTTACAATTCCATACCTGGTGGTCAGAGGAGGCCCGCCTGCAGGCTCAGCTAAATCGGGCT
GATGGCATTCCAATTACTCAGGCTCAGCTCACAGGCTCCGATAATTACTCTGATACTACTGCTCATTTAGG
CTTTGATGCTCTCACCACGGAACAAGTAACAAAGGTGTGTATGAGAGCTTGGGATAAATTACGCACCCCAG
GCCAAGCTTCTGTTTCTTTTACTATTGTTAAACAGGGTCACAATGAATTATATCTTGATTTTTTAGCTAAA
TTACAAGATGCTGTTGAAAAATCTGTCTCTGATGAGCACACTCAAGGTATTCTTCTTCATATGTTAGCTTT
TCAAAATGCGAACCATGAGTGTAAAATGGCCGTGCATTCCATCCTACGTCAAAATTTACCTGATCATGAGG
TGTTGCCTGCATATATTAAAGCTTGTGAAGGCGTTGGATCGGAGACCCACAGAGCTATTCTGTGGGCACCG
GCCATGAAGCACGGCAACCAAACTGGCTCGACTGATTCTTTTCTTGGAGCCTGCTATAATTGTGGCCAACT
TGGTCATACCCAAAAAAACTACACTGTTAAAAACTTAAAAGCGGCCAAGCCGGCTCAACAAACACGGCCAA
ATGCTCCTGCTACTGT
Table3 4474
ACGCGGGGGAAGTGGTAgcaGTTCCTCCTAACTCCTGCCAGAAACAGCTCTCCTCAACATGAGAG
CTGCACCCCTCCTCCTGGCCAGGGCAGCAAGCCTTAGCCTTGGCTTCTTGTTTCTGCTTTTTTTCTGGCTA
GACCGAAGTGTACTAGCCAAGGAGTTGAAGTTTGTGACTTTGGTGTTTCGGCATGGAGACCGAAGTCCCAT
TGACACCTTTCCCACTGACCCCATAAAGGAATCCTCATGGCCACAAGGATTTGGCCAACTCACCCAGCTGG
GCATGGAGCAGCATTATGAACTTGGAGAGTATATAAGAAAGAGATATAGAAAATTCTTGAATGAGTCCTAT
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AGCCCTGTTTCCCCCAGAAGGTGTCAGCATCTGGAATCCTATCCTACTCTGGCAGCCCATCCCGGTGCACA
CAGTTCCTCTTTCTGAAGATCAGTTGCTATACCTGCCTTTCAGGAACTGCCCTCGTTTTCAAGAACTTGAG
AGTGAGACTTTGAAATCAGAGGAATTCCAGAAGAGGCTGCACCCTTATAAGGATTTTATAGCTACCTTGGG
AAAACTTTCAGGATTACATGGCCAGGACCTTTTTGGAATTTGGAGTAAAGTCTACGACCCTTTATATTGTG
AGAGTGTTCACAATTTCACTTTACCCTCCTGGGCCACTGAGGACACCATGACTAAGTTGAGAGAATTGTCA
GAATTGTCCCTCCTGTCCCTCTATGGAATTCACAAGCAGAAAGAGAAATCTAGGCTCCAAGGGGGTGTCCT
GGTCAATGAAATCCTCAATCACATGAAGAGAGCAACTCAGATACCCAATGATGTTAGCTGTGGAAGCTACA
AAAAACTTATCATGTATTCTGCGCATGACACTACTGTGAGTGGCCTACAGATGGCGCTAGATGTTTACAAC
GGACTCCTTCCTCCCTATGCTTCTTGCCACTTGACGGAATTGTACTTTGAGAAGGGGGAGTACTTTGTGGA
GATGTACTACCGGAATGAGACGCAGCACGAGCCGTATCCCCTCATGCTACCTGGCTGCAGCCCCAGCTGTC
CTCTGGAGAGGTTTGCTGAGCTGGTTGGCCCTGTGATCCCTCAAGACTGGTCCACGGAGTGTATGACCACA
AACAGCCATCAAGGTACTGAGGACAGTACAGATTAGTGTGCACAGAGATCTCTGTAGAAAGAGTAGCTGCC
CCTTCTCAGGGCAGATGATGCTTTGAGAACATACTTTGGCCATTACCCCCAGCTTTGAGGAAAATGGGCTT
TGGATGATTATTTTATGTTTTAGGGACCCCCAACCTCAGGCAATTCCTACCTCTTCACCTGACCCTGCCCC
CACTTGCCATAAAACTTAGCTAAGTTTTGTTTTGTTTTTCAGCGTTAATGTAAAGGGGCAGCAGTGCCAAA
ATATAATCAGAGATAAAGCTTAGGTCAAAGTTCATAGAGTTCCCATGAACTATATGACTGGCCACACAGGA
TCTTTTGTATTTAAGGATTCTGAGATTTTGCTTGAGCAGGATTAGATAAGGCTGTTCTTTAAATGTCTGAA
ATGGAACAGATTTCAAAAAAAAACCCCACAATCTAGGGTGGGAACAAGGAAGGAAAGATGTGAATAGGCTG
ATGGGCAAAAAACCAATTTACCCATCAGTTCCAGCCTTCTCTCAAGGAGAGGCAAAGAAAGGAGATACAGT
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GAGGCTACAGAACTAAAAATTAAAACCTCTTTGTGTCCCTTGGTCCTGGAACATTTATGTTCCTTTTAAAG

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AAACAAAAATCAAACTTTACAGAAAGATTTGATGTATGTAATACATATAGCAGCTCTTGAAGTATATATAT
CATAGCAAATAAGTCATCTGATGAGAACAAGCTATTTGGGCACAACACATCAGGAAAGAGAGCACCACGTG
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GTTTACGCCTATAATCCCAGCATTTTGGGAGTCCAAGGTGGGCAGATCACTTGAGCTCAGGAGCTCAAGAT
CAGCCTGGGCAACATGGTGAAACCTTGTCTCTACATAAAATACAAAAACTTAGATGGGCATGGTGCTGTGT
GCCTATAGTCCCACTACTTGTGGGGCTAAGGCAGGAGGATCACTTGAGCCCCGGAGGTCGAGGCTACAGTG
AGCCAAGAGTGCACTACTGTACTCCAGCCAGGGCAAGAGAGCGAGACCCTGTCTCAATAAATAAATAAATA
AATAAATAAATAAATAAATAAAAACAAAGTTGATTAAGAAAGGAAGTATAGGCCAGGCACAGTGGCTCACA
CCTGTAATCCTTGCATTTTGGAAGGCTGAGGCAGGAGGATCACTTTAGGCCTGGTGTGTTCAAGACCAGCC
TGGTCAACATAGTGAGACACTGTCTCTACCAAAAAAAGGAAGGAAGGGACACATATCAAACTGAAACAAAA
TTAGAAATGTAATTATGTTATGTTCTAAGTGCCTCCAAGTTCAAAACTTATTGGAATGTTGAGAGTGTGGT
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ccgcggaaagaaaccacagaagcgcacactcgcgcctacagcgcacaaaaacaatagaaaagcgaaagaaa
gacaacgcacaaccagacaaacacaaccgcacaccaacaagcgaggcgagagaggacgagagggaggatga
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acaaagagcagatacgagacagggaacgagtagcagcggcgccacaacggacagaagcggcagagagcgaa
acgaaaggaaaacatgaagaaagaagagagcacagacgcagacaagacgagggtacaggagatgagaagaa
gaagataagcagaggagcagcagagagaaaggaagagaagagcgagacaggagaggcggagcaggagtgag
caaaaggcgggaa
Table3 4475
CCTTCCATCATGATTGTGAGGCCTCCCCAGCCACATGGAACTGTAAGTCCGTTAAACCTCTTTCA
TTTGTAAATTGCCAAGTCTTGAGTATGTCTTCATCAGCAGCATGAAAATGGACTAATACATCCAGCCTCGG
GTATTCTTTTATAGCAGTGAAAATTGACTTTAGACAGTAATATGTTCACAAATTCTGGGGAGTAGGATGGT
GGATATCTTTGAGGGGCCATTATTCTTCTTACCACAGAGAGTGAGAGATAAGGAGAGTTTGTTGCCTTAAG
TGGAGTCATGAACTTCAGCTGGGAGTACATCTAGCCTGAGGCAACCTCCACGGAAGAGCCAGGGAAATAAA
TGCTCTGCCTTCCAGTCCTGTGGGGACTGTTCAGTGTGTTATGGAAGGGGTCCCGAACATCCCGCGCCATG
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TCAGTGGCGGCATCAGATTCTCACAAAAGTGCAAACCCTATTGTGAACTGTGCATGTGCAGGAGGGATCTA
GGTTGCACGCTCCTTATGAGAATATAACTAATGCTTGATGATTTGAGGTGTAACAGTTTCATCCCCAAACA
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Table3 4478
GGCGGGTGCCTATAGTCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATGGCATGAACCCAGGAGG
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AACAATCCAACAGCTGTCCCGCGCCACAGCAGGCAGCACCGCAGTAGATTTATGTTCCACCCAAATGGTCT
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AATTACTGCTTTTGCCTTATGTTAAAATTGGGGAAAACAAAAAGGAAAGAACAGGAGGGTTTGGAAGTACC
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AGAAGTGTATCAAAGTGCCATGATTTTACATTGTCCAGGATCTGATAATCAAGAAAGTACGGTTCAGCCTG
TGATCACTTCATTCCAATCAATTTATGGGGCCGAGACTTGTTACAACAATGGCATGCAGAGATTACTATCC
CAGCCTCCCTATACAGCCCCAGGAATAAAAAAATCATGACTAAAATGGGATAGCTCCCTAAAAAGGGACTA
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GCGCTTCCAAAACAAAAACTGGAGGCTTTACATTTATTAGCAAAGAAACAATTAGAAAAAGGACATTGAGC
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CAACCCATGGGGGCTCTCCCACCCCGGTTGCCCTCTCCAGCCATGGTCCCCTTTAATTATAATTGATCTGA
AGGATTGCTTTTTTACCATTCCTCTGGCAAAACAGGATTTTGAAAAATTTGCTTTTACCACACCAGCCTAA

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ATAATAAAGAACCAGCCACCAGGTTTCAGTGGAAAGTATTGCCTCAGGGAATGCTTAATAGTTCAACTATT
TGTCAGCTCAAGCTCTGCAACCAGTTAGAGACAAGTTTTCAGACTGTTACATCGTTCACTATGTTGATATT
TTGTGTGCTGCAGAAACGAGAGACAAATTAATTGACCGTTACACATTTCTGCAGACAGAGGTTGCCAACGC
GGGACTGACAATAACATCTGATAAGATTCAAACCTCTACTCCTTTCCGTTACTTGGGAATGCAGGTAGAGG
AAAGGAAAATTAAACCACAAAAAATAGAAATAAGAAAAGACACATTAAAAGCATTAAATGAGTTTCAAAAG
TTGGTAGGAGATACTAATTGGATTCGGAGATATTAATTGGATTTGGCCAACTCTAGGCATTCCTACTTATG
CCATGTCAATTTTGTTCTCTTTCTTAAGAGGGGACTTGGAATTAAATAGTGAAAGAACGTTACCTCCAGAG
GCAACTAAAGAAATTAAATTAATTGAAGAAAAAATTCGGTCAGCACAAGTAAATAGAATAGATCACTTGGC
CCCACTCCAAATTTTGATTTTTGCTACTGCACATTCCCTAACAGGCATCATTGTTCAAAACAC
Table3 4479
ccggcgcggttgaggccttcggtggtgaACGAGTCTCCAGCACCATGTCTGGTTTGTCTGGCCCA
CCAGCCCGGCGCGGCCCTTTTCCGTTAGCGTTGCTGCTTTTGTTCCTGCTCGGCCCCAGATTGGTCCTTGC
CATCTCCTTCCATCTGCCCATTAACTCTCGCAAGTGCCTCCGTGAGGAGATTCACAAGGACCTGCTAGTGA
CTGGCGCGTACGAGATCTCCGACCAGTCTGGGGGCGCTGGCGGCCTGCGCAGCCACCTCAAGATCACAGAT
TCTGCTGGCCATATTCTCTACTCCAAAGAGGATGCAACCAAGGGGAAATTTGCCTTTACCACTGAAGATTA
TGACATGTTTGAAGTGTGTTTTGAGAGCAAGGGAACAGGGCGGATACCTGACCAACTCGTGATCCTAGACA
TGAAGCATGGAGTGGAGGCGAAAAATTACGAAGAGATTGCAAAAGTTGAGAAGCTCAAACCATTAGAGGTA
GAGCTGCGACGCCTAGAAGACCTTTCAGAATCTATTGTTAATGATTTTGCCTACATGAAGAAGAGAGAAGA
GGAGATGCGTGATACCAACGAGTCAACAAACACTCGGGTCCTATACTTCAGCATCTTTTCAATGTTCTGTC
TCATTGGACTAGCTACCTGGCAGGTCTTCTACCTGCGACGCTTTCTTCAAGGCCAAGAAATTGATTGAGTA
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AAGGCATCCTACCAACAGCACCATCAAGGCACGTTGGAGCTTTCTTGCCAGAACTGATCTCTTTTGGTGTG
GGAGGACATGGGGTACGCGGGGATTCCAGGCTCTTCTGTGCCTGTGGGACTACATTCTCTGTGCCGGGCTT
AGAGAACACGAAGAGGGAGCCATCTGCCACACTCTGGAGGCTGAAGCCTGCACCAGTGCTGCTCGCCTCAC
TGTGGTAGGTGGTGGTGATGGAAACTGCAGATCGGCCAGAGTGGTAGAAAAGTTGCTGCAGGGTTTTTCTG
GCTTTGCCTGCCCAGCCGCTCCATGCCTGGCTAGAGGAGAAGGAGGAGCCACATGTGGTACACTGGAGGCT
GGAGCCTGCAGATGGCATGGCTCTGCGGCTCACCTTGCTGCAGTTGGTGGTGGTGACAGAGACTGCAGCTT
GACTGTAGTGAATTTGGAAATTATCTGTCTGGAAGCTCTGAGTTTATCTTGGGACCTCAAGAGGAGAGGAT
CACCCAACTCACAGCAATCAAACTCCAAATGGTGCTATAAACTGAACCACACATGGACACGTCAGTCTTCC
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AGTAGCCAGAAGACATCGTCGCCCAAACCTCTAACAGCAGTTAGTGCGGCATCTCCACAGGGGGGAATGTT
GTAGGAGTTATTGATAAATTATTTTAGGCAGATAGAGAGGAAAAGGGGTCCTTAGGAAGTTTTTGTTTTTT
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CTGGATACATGGACACCCCGAAGTATCCCCACCTGTGTAGAAGATCATGGTGCCCTGCATTTGCATATTAA
AAGGCTAGGGTGGGAGAGCCAGCTTTTCCTGCGGGCTACGTGAATGACATGCCTAGTCAAACCAATCCCCT
GAGCCTGTGCAAATCAGACACTGCCTCCTCCAGCCTCTGTATATATACCTAGCTGGTATCTGTGGCAGGTG
GGGTTCCCTCTCTTGGCTTTGGGGCCCCCCTTCCTCTGTCTCTGTACCTGCCCgggcggCCGCTCGACTCC
CTGCTCCTCTCCCTATATTACTGATTGCACTGAACAGCATGGTCCCCAATGTAGCCATGCAAATGAGAAAC
CCAGTGGCTCCTTGTGGT
Table3 4482
NNCTGAAGCACGTTGGGTGAGAGAAAGAAAGAAATCACATCCTTTATCCTCCCACACAGCCAAAG
ATTCCTGAAGACAGAGCTGATGCCATGTACTCAAGTGGGTCTCTGCCTCTCAGAGGTGGCCTTGGTCTTCA
AGTTTCAGCAATTCTGGGAAGCCAAGGACACCTCCATCTCCTCCTCCCTGATCTGCAACTCATCTAAGAGC
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CCTACTGGATCCAACCCAGGATTGGAGATACTTTGCAGAACACAACATCATCTGGCACATGACCAGCCATG
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CAGGGCTGATGTGGGCGGCTACAGGGAGAAATTGAAGAGGAAGTTCTTGGTGGTGCCCTCCATGAGTACAA
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GCGATTCTTCATTTTGGAACCCTTTCTTATTTTCTGGGTACGACATAATGTAAAGCAGGCTTCGGATAGTG
GATCTGGGGACCAAGTTTGAGGTAGTGGAAATGAGACATTGCTGAACAAAAGAGAACTGGGTTTACCTGAC
CCTCTAAAGCGCTAAGT
Table3 4483
CACATTCCTGTCCTTCCCAGAAGAATGTGACACAGTGTATCTGGGTACTAAGTTGCCATTTAAGA
ACCTCTTCAGGTTCCCCGTCTCCTTGAGCTATGAAAGTTTTCATGAACACTTCAGTTTTAATGGCATGCCA
AACATTTTGTTCCATGAGCAACGCAACAGTTTTAAAAATTGCCATTGAGTGTTTTAATAGAATTTAGCCAG
TTGTTTTTAAATATATTTCTATGAGCCAAGGCTTACAAAAATGTATAAAGAGGAAGTGCCCAGATATAAAG
AAGCTTTGAAATGGTTGCTGTTGCCTCCTTAAAAATCATCATTAAACAATCTTTCAAACAGTCAGTGTTTG

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GCTCAGTAATTTAATCAAAATTTGTAAGAAGTAGCTAGAATGAACAAAAGGATGACATGGCTTTGAACAGA
AGAAAAGCAGGGACCCAAGTTATGCAAATACTAGTTAGGAATACTGAATAAGATAAGCGATCCAATTATGT
CTGTGAGACTTTCCTCAATAACCTATAACTAAAAGAAAAACAACTTCTTTAGCCAGATGAATTTTCATCAT
TCTAATGAGCCTTTGTAGCCCGCGTTAATTAATNCTAGAAGN
Table3 4484
ACGCGGGGGGGCATCACGGACCTACCAATATGTGATGTCACCCCTGGTGGCCCAGCTGTGTCATG
GAGAAACTCCAGCTGGGCCCAGAGATTCTGCAGCGGGAAAATCCAAGGCTTATTTATGCCAGGCTGAGTGG
ATTTGGCCAGTCAGGAAGCTTCTGCCGGTTAGCTGGCCACGATATCAACTATTTGGCTTTGTCAGGTGGAA
GGAACAGCATATTTAAGTTCTTTTCTGTGGAAAACTCAGAAATTGAGTCTGTGGGAAGCACCTCGAGGACA
GAACATGTTGGATGGTGGAGCACCTTTCTATACGACTTACAGGACAGCAGATGGGGAATTCATGGCTGTTG
GAGCAATAGAACCCCAGTTCTACGAGCTGCTGATCAAAGGACTTGGACTAAAGTCTGATGAACTTCCCAAT
CAGATGAGCATGGATGATTGGCCAGAAATGAGGAAGAAGTTTGCAGATGTATTTGCAAAGAAGACGAAGGC
AGAGTGGTGTCAAATCTTTGACGGCACAGATGCCTGTGTGACTCCGGTTCTGACTTTTGAGGAGGTTGTTC
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CCTCTGCTGTTAAACACCCCAGCCATCCCTTCTTTCAAAAGGGATCCTTTCATAGGAGAACACACTGAGGA
GATACTTGAAGAATTTGGATTCAGCCGCGAAGAGATTTATCAGCTTAACTCAGATAAAATCATTGAAAGTA
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aagctTGTCGAGAaGTACt
Table3 4488
NNNNNNNNNNNNNNNNNNNNNNNNNNNCCCTTGGTATAACTTGGAACAAATTTTTTTTCCCTTGG
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GAGCAAGGACTCGTTCCAGCTGCTTCTAAACAAGGGGGCCAGGCCTCTGCCAGAGCCTTCTCCTTCCTGCC
CTGTGTCAAGCTATCCAAGCTTCCTCCTCAACCTTTACCCTGCCCTATGCCCTGAAACTACCTGACACGTA
TTTTCCTCTTGTACTTAATTGATAGTAGAATTTCCCTCATACATGTCAAGTACTATAAANNNNNN
Table3 4490
NATAGACNNCCCTTGGTCACGGGCCGCGCGCCATTGTGTTGGTACCCGGGAATTCGGCCATTATG
GCCGGGGGTGGCGCCAGGGATTTGAACCGCGCTGACGAAGTTTGGTGATCCATCTTCCGAGTATCGCCGGG
ATTTCGAATCGCGATGATCATCCCCTCTCTAGAGGAGCTGGACTCCCTCAAGTACAGTGACCTGCAGAACT
TAGCCAAGAGTCTGGGTCTCCGGGCCAACCTGAGGGCAACCAAGTTGTTAAAAGCCTTGAAAGGCTACATT
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TGAGATACAGATCAGCAACCAGGAAGAAGCTGAGAGACAGCCACTTGGCCATGTCACCAAAACAAGGAGAA
GGTGCAAGACTGTCCGTGTGGACCCTGACTCACAGCAGAATCATTCAGAGATAAAAATAAGTAATCCCACT
GAATTCCAGAATCATGAAAAGCAGGAAAGCCAGGATCTCAGAGCTACTGCAAAAGTTCCTTCTCCACCAGA
CGAGCACCAAGAAGCTGAGAATGCTGTTTCCTCAGGTAACAGAGATTCAAAGGTACCTTCAGAAGGAAAGA
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AAGAAGCTTCATGAAGCTCATTTTAAGGAAATGGAGTCCATTGATCAATATATTGAGAGAAAAAAGAAACA
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GGGTGTCAGGTTTTCAGCTGCTACTAAAGATAATGAGCATAAGCGTTCACTGACCAAGACTCCAGCCAGAA
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CACTTTAGTCACGAGATCTTTTTCTGCTAACTGTTCATAGTCTGTGTAGTGTCCATGGGTTCTTCATGTGC
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CCCCCTGCTGGTTCTAATATTAACAGAACTGCAGTCTTCTGCTAGCCAATAGCATTTACCTGATGGCAGCT
AGTTATGCAAGCTTCAGGAGAATTTGAACAATAACAAGAATAGGGTAAGCTGGGATAGAAAGGCCACCTCT
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ANNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Table3 4492
ACAGTATGGGCAAGTGGGAGTTAATTTATAACCAAGGATCAGGGTGGGGTTGGTGGGTGGAAAAA
TCACAAAGAGAAAACATCAAGGGTAAGGGGGATTCTGGCTAAACCAACCAAACAGGATTCTTGCTGAAGAC
AGGCTGGGTGATCAGACATCACCTGTGGCACGGTGGAGGCTGAGGAACCCGATCAGATATCCAGAGTGATC

Table 6
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AGATACCGAGGGTGGGAGGTTCTGGCTAAACTGACTGAGCAAGGTTTTTTTGCTAAAACTGGATTTTACAA
GGAAATGCACAGATGGCCTACAAGGTTCAGGAACTTGATATAAGTTTGATCAAGCGAAGAATCTTTGTCCA
NNNN
Table3 4493
NNNNNNCAAATTCGACGTACAAGGAGGATACTGGCAAAGATGAGCTGCCTAGGAATAGCCAGGCA
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GCAGG
Table3 4494
NNNNAACCCTGTCATTATTTCCCCTCCGACTGGGCCGGTGCCATCGGAAACCGGAGTGACCAGAG
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CTCACAGCTGTGCTGTGTGCATTCTCTGTGGGCCTAGCAGGGAAGGGGACAGCCCTGTGGCAATGGGCATG
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TGGGAAGCAGGACATGGAGGAAATGTGGCTTTGCCACTTAAGGAGACATCCGTGGAAAACTTTCTGGGAGC
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GTGGTAGCTGTGGGCCCATCTTTCGAGCCAATATGAACACTGGGGACCCTTCTAAGCCCAAGAGTGTTATT
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TGTTGGAGGATGTGGCCCAGGGGGACCTGCTCGGCTTTCTCTGGACCTGTCGGCGGGATGTGATGACTATG
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CTGCTAAGCTCTGTGGATTAGGCCTGGCTTATGAAGTTTACACCCGAGGGGCCATCTCCTCTACTCAAACC
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TGCCATTAAAACTGCAGATGACGAGGCTGTGTTACAAGTACCAGAGTTGGTGGTACCTGAACTGTATGCAG
CTGTGGCCGGCATCAGAGTGGAGAGCCTCTTCTACAACTATAGCATGCTTTGAAGAGTCTCGGGCAAGAAA
CATTCATGCATGAGTATATGTTCTTGGAATCAATTCCTCTAAGAACAGAGAATGGTCTTTCCCAGGGACAC
AAAGGGAGAAATGGGACATGGATTCTTGATCTTCCTTTACACATTTCTCGGGAAATCTGAAATGATGCTGG
ATGGGACTCTACACATCCTGAGCTAAGACATACTGTCAGTCTCACTTCTGCTGTCCCAGTCCTAGAAATCC
TGGGTAGAAGTGGTGGACCTGTGCAAAGGAGGTTTTAGAACTCTGCAGTATTTGTTGGGGCATGGCACAAA
TAAGCTCATCCCTCCCGTCCGAGGCTAGTTTCCTCTGGAACCACATTTTTATCTAGATGAAAATTTGGAAT
GAAATGAAGGAATAGAAATCCAATAAAAGAGTTGAAGGGAAAGAAAATTTAAGGTTCTTCTTGCTCAGGAT
TACAGATATGGACCAACACCTCCTTCAAGAAAAGGTGGTAGGACACAAAGTTCTTCAGTCCTGAGCCCTAC
ATGTGGGGTTGGAGGAGAACTATAACGGAAAAACCTCTGAGTTTCACCTTAGGTATAGATAAAAGAAAGAT
GGTCCCCTTTTATCTGATTCTGAGACAGGTAAATTCTGTTTGTTACTACGTTTAATTAGAAGGTGGAGGAG
TCATTTCATGATTAAGAACATTCAACATGTATTGTTCATTAAGCTAGCTTCCTAGTTCCGATTAGACTAAG
GAGACTAAGCCTAGAGAGTCAATGTTAGAACAGTGAAAAGAATTCTGTGTGTGTGTGTGTGTGTGTGCACA
ATAAATAGGAAATGTAGAAACCAAGCAAGAAGGCTTAGTAGCTCAGTCTTTAACAAGGGCTAGAAAAGAAT
GTAATCTGATATGGAAGGATAGCAGCTTCTAATTTTCAATCATCTGTTGATATACTGTGAAACTTATTTTA
TTAAATTAATATTTATTAAATGGAAATATGCTTTTCTGGTTTATAACTACTAAAAATATCATAGGGAGGAT
AAAAGTAAATAAGTGAAAGTTAATGCCAATAGAAAAATTCAAGAGATAATGTACAATGTCAGAAAAGGGAT
TCTTTATGTGTAAATGGGGATAATACCTATTTCACAAGGTTGTTCTGAGGATTGATACGTTTTGAGTATGT
ATTTGTACACTATCTGGCACATATGCGCTCAATAAACGTGTTTCTCCTTTAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAANNNNNNNNNNNNNNNNNNN
NNNNNNNNN
Table3 4496
NNNNNNNNNNNNNNNNNCATCTCACTTCATTCACCATTATTTGTTAATTTTATTTTGATTTTTAA
AAGGCATTATTCAGTGTACAATTAACAAAGAAATCAGTTTTCTACTCTACTGTACTTAGGATGCTTCAAAA
ACATCAGGTGAAATGATCTATGCTTTAAGAGCCAGAAAACTCAGGCCTCAGCAACTAAAACAGAGAATTCC
AAAATTGTAATTACAAATCAGATGGTAAGCCTAATTTCATGCCCCTAATATTCAGATTTGTGGACACTGCA
AGAGGAAATATCATTTGCTTCCAAATATCTGGCTTGAATATTGCTGCAGTTAAAGGATCTCGCTAAGGTTA
AACAACAAACCCAAACCACTTAGAGCTTCACAGTTTAGCTGCTTTAGCAAGTGAAGAGGTAGTCGGTATTC
AGGATGCTGTGGGAATGCAAATGATTTGATTTTGAGGCATGGCTGTTCCTTTTTCACTATGCCCCTCACTC
TGAACAAGCTCATGCTTTCACTCAATCAAAACCTACTTATCACAGCCGTTCTCCAGGTTCCGAACCTCCGT
ATGGCAGATCAAAGTCCATAATCATTTCTATTTATAAATGCCAAAATAGTCATTAAGATTATCTGAGGACA
TCACTTCCATAGGTAATTTAAAGGATTTCTTTTCAGGTAGAGCAGCACTTAAAGCACATACCTTCTCCAGT
CTTTCTGGGTCAAAGAATAATGAGCAGAGTCCACCCTGCGTTTGGTGGTCTTTGGTCTTATGATTTGGGGA
GGCACCATGGATGAACAGCTTTAAATGTAAAGGTCAATGTAAACAGAAATTTTGGAGTTTTATCTTGTGCC

Table 6
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TGGTATAGCAGCAGACTCCCATGATGAATTTCAAGTTAAATACTGTTACCTAAAATGTGCTGTACCTCAGA
AAACGGAATTCCATGTGAAAAACAGTAGCATACAGGTATATACGAGAAAGCTTATGTTCTTGCATTGAGAC
GGACGCN
Table3 4503
NNNNNNNCCGAGGTTCCTTGTTGCAGCTCTTTATTTCTTAGTCCCACTCCCCCGAGGTAACACAT
TTCTGCTTTTTTTAGCTGTTTCCTCTAGTGTAGGTTCACCTTTCTAATTTTTGATTCAATCACTTAACCACC
GTTACATACTACAAAATATCACTATATTATGACCATGATTATATTTCTTTTCTTTTTCCCTTCATCAAGGA
AGTTCATCAAAGAATTTCATCAAAGTTCAATGATGACCTCTTTTTAAAATTTTCTTAGTATTCTATGTAAC
TATCACCGATCTTTTCCCCACACACTCCAAGAGCTTTTTAATATAATTTTCTACATAGCCATCAGCACAGA
TAACCAATCCTCTTTTTTTTCCCCACTAGAGATGTGCCTTCCGTAACCTCTGTCCTCTTCCTTTAACCTGGA
ATATTGCTCTTCAGGCCTGTTGTGCAGCTAAGAGCTTCATTCCTCATCATCCTGGGGTTCCTTTCCCTCTC
TCTTGGGCTGGAATCCCTCTTGCCTGGATCTCTCACCTTCATAAATCTAGTTTACTCCTTTGTTTTN
Table3 4504
NNAAGAAGCTTGGAGAATTAAATTGATCTTCTTAATGTTACATAATGCTGCCTTGCAACAAGTAG
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GTGTAAAGAAGGTCGCAAAAAGAAATGCATATGGTTATAACAGTATCAATCTAAAAACCTAACCACATTCT
AGAGAGTTGAGAGAAGAAGTTGTTCATTTGGTGGTGCACTGGGGCTGGAGTTTTTATTGTTGGTTTGGTTT
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AATAAAACATTATATAGTGCCCTTTTTACTGAGGCACCAAAACATGCTTCAGAAAACTTGTCAGAGGGAGA
TGGGAAGAGAGAGGAGCAAAAGAGATGATGGAAAAGCACGGTCCCCAGTTTTCATAAATGAACCGAATACT
AGAATTGGAAAGAAAATACGCAAATAGGGAGCTAAATATGTCTAGGATAATGCCAAGTTACAAAATTTAGG
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TAATCCTAGCATTAAGACAAATAAACGGGGAGACATGGGTGGGTGCAGGCAGTCTCATGCTAATGCACAGC
ACCACCGATTTATTCACCCTTACAGCAGTTTTAAAATCAATTCAATATTTCCTGGATAGGTTGACATCACC
CCTTTCATATCGGAGTGAAGGACTGAACTGCTTGCTCTGT
Table3 4506
NACCCACGCGTCCGGGCCGGAGCGGCAACTCCGCAGCGGAGCTCTGCCTGCCCGCTGCGTTCCCC
CAAGAGACTAGACCCCACAAACTCCTCCTCCACCGCGGTCCCAACTCGAGTCCCCCCGCCGTCTCCGAGCA
CTCGGAGGGCGCCCCTCTGGGACGGGACCGACGCCTCGGACCGGGCTGCGCCGCGGGAGTTCGAGATCTGA
GTGGGACATACTTTTGAAGGATGTGCAATGTTCAATCATAAGTGTGACAAAAACTGACAAGCAGGAAGCTT
ATGTACTCAGTGAGAGTAGCATGTTTGTCTCCAAGAGACGTTTCATTTTGAAGACATGTGGTACCACCCTC
TTGCTGAAAGCACTGGTTCCCCTGTTGAAGCTTGCTAGGGATTACAGTGGGTTTGACTCAATTCAAGTAAG
TAAGCAAACATTTAAATATTTTTCAGGCATAAATGTTAGCGTTCTTATCCTGTAATATGCGAAGTAAATAA
ATTTATATACTTACTGCCTTTGTTACAATGCATGCAAACACGTGGTAAGGTGTTCATACCTTAGGAAGAGA
TCTGATTCTCAAGAACAGCAGAAAATAGGAAGCAGAGAATGAGTTAGGATGAAATTCAAATGGGAGAAAGA
AATGAAGAAGCCAGATACTTCCAGTAGTTAATTTCTTAACATGGCTACTTATAATAATAGAGAAATGGTTA
GAAAAGAAGGAAAAGCAAGAAAAATGTCGTTACTGAAATTGTCCAGTCTTTATAATGAAGAGTTAGGATGA
AGAGCAACAGTCAGTATTGAGTTAAATTCTTATACTTTTCAAGAACTAAGGTGTTTTTACCTAGGGTATAA
TTTTCTGATTAGCAGTTGTTACATTTTATTTATTTTCTATTTTTTGAGGATGGGAGTTCNCTGTCCTGGGT
CAAAGCCCCTCCTGGTCTGGGACATTCGCTGTCTGGGGTTGGAGCCACACCTGGTCTGGGGCAN
Table3 4507
NNNNNGATGGGGCGACCCAGCGTCCCGCGGGTGCTGCCGTGCGGTACTTGTCATGGAGCTGGCAC
TGCGGCGCTCTCCCGTCCCGCGGTGGTTGCTGCTGCTGCCGCTGCTGCTGGGCCTGAACGCAGGAGCTGTC
ATTGACTGGCCCACAGAGGAGGGCAAGGAAGTATGGGATTATGTGACGGTCCGCAAGGATGCCTACATGTT
CTGGTGGCTCTATTATGCCACCAACTCCTGCAAGAACTTCTCAGAACTGCCCCTGGTCATGTGGCTTCAGG
GCGGTCCAGGCGGTTCTAGCACTGGATTTGGAAACTTTGAGGAAATTGGGCCCCTTGACAGTGATCTCAAA
CCACGGAAAACCACCTGGCTCCAGGCTGCCAGTCTCCTATTTGTGGATAATCCCGTGGGCACTGGGTTCAG
TTATGTGAATGGTAGTGGTGCCTATGCCAAGGACCTGGCTATGGTGGCTTCAGACATGATGGTTCTCCTGA
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AAAATGGCAGCTGGCATTGGTCTAGAGCTTTATAAGGCCATTCAGCGAGGGACCATCAAGTGCAACTTTGC
GGGGGTTGCCTTGGGTGATTCCTGGATCTCCCCTGTTGATTCGGTGCTCTCCTGGGGACCTTACCTGTACA
GCATGTCTCTTCTCGAAGACAAAGGTCTGGCAGAGGTGTCTAAGGTTGCAGAGCAAGTACTGAATGCCGTA
AATAAGGGGCTCTACAGAGAGGCCACAGAGCTGTGGGGGAAAGCAGAAATGATCATTGAACAGAACACAGA
TGGGGTGAACTTCTATAACATCTTAACTAAAAGCACTCCCACGTCTACAATGGAGTCGAGTCTAGAATTCA
CACAGAGCCACCTAGTTTGTCTTTGTCAGCGCCACGTGAGACACCTACAACGAGATGCCTTAAGCCAGCTC
ATGAATGGCCCCATCAGAAAGAAGCTCAAAATTATTCCTGAGGATCAATCCTGGGGAGGCCAGGCTACCAA
CGTCTTTGTGAACATGGAGGAGGACTTCATGAAGCCAGTCATTAGCATTGTGGACGAGTTGCTGGAGGCAG
GGATCAACGTGACGGTGTATAATGGACAGCTGGATCTCATCGTAGATACCATGGGTCAGGAGGCCTGGGTG
CGGAAACTGAAGTGGCCAGAACTGCCTAAATTCAGTCAGCTGAAGTGGAAGGCCCTGTACAGTGACCCTAA
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GGATGGGGCTGGAGATGAGCTGGTTTGGCCTTGGGGCACAGAGCTGAGCTGAGGCCGCTGAAGCTGTAGGA
AGCGCCATTCTTCCCTGTATCTAACTGGGGCTGTGATCAAGAAGGTTCTGACCAGCTTCTGCAGAGGATAA

Table 6
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AATCATTGTCTCTGGAGGCAATTTGGAAATTATTTCTGCTTCTTAAAAAAACCTAAGATTTTTTAAAAAAT
TGATTTGTTTTGATCAAAATAAAGGATGATAATAGATATTATTTTTTCTTATGACAGAAGCAAATGATGTG
ATTTATAGAAAAACTGGGAAATACAGGTACCCAAAGAGTAAATCAACATCTGTATACCCCCTTCCCAGGGG
TAAGCACTGTTACCAATTTAGCATATGTCCTTGCAGAATTTTTTTTTCTATATATACATATATATTTTTTA
CCAAAATGAATCATTACTCTATGTTGTTTTACTATTTGTTTGACATATCAGTATATCTGAAACACCTTTTC
ATGTCAATAAATGTTCTTCTCTAACATTTTTAAAAAAAAAAAAAAAAAANNNNNNNNNNNNNN
Table3 4509
ACTAAAAATACAAAAAATTGGCCAGGCATGGTGGCACATGCCTGTAATCTCAGCTACTCAGGAGG
CTGAGGCAGGAGAATCGCTTGAACCCAGGAAGCGGAGGTGGCAGTGAGCCGAGATCGCGCCATTGCACTCC
AGACTGGGCCACCAGGAGTGAAACTCCATGAAAAAAAAACCAAAAAACAAAAAAAAATGTGTATCTTATTA
CAGTTGAGTCCTTTTGTGAGACGAACATTCAGTGTTTGCTAGATTATTCTAATTAGCTACCTTTGTATGGT
TAGGTTAGCATGGAGCTGAAGATAAATGTCCCGTTTGAAAAAATGACAGCCCTTCAGAAAACTCTGGCAGT
TTACAGAAGAAATACAAATGGCCAATAGGTATATAAAAGTTCCTAACAAGTGAAN
Table3 4510
NNNACTATAGGGCAATTGAGCTCACCGCGGGGCCGGCCGCCCGGCCGCGGTACTGGGATTATAGG
CGTGAGCCACCGCGTCTGGCCTCTAACGAGATATTCTAAAGGTTAGGCCTTCAGTCAAGAATTTTAAAGC
TGGATCTTAGAGGTTATCTAAACTAACCTCTCCATTTCATAGATAAGGAAAGTGAGTCCCAGAAAAGCACT
GGTTTGGACAAGTTCAGAAAGCTAAACAGTGACTGTGGATGTATGATTCTGTCTCTTAACTCCTAATCCAA
ATGTCTTCTCACTAGATAAGGCTGTGCCTTCTACATTTGAAGGCTCAAACCCCATGGATGGATGGAGGGAA
GGATGGGTGGAGGGATGGATGGATAGATGGATGGATTGATTGTGTCCTCATATCGTTCAGCTTTCGCAGGA
GAGATGGAGCCACCTTCCCATCATACAGTGTGCTAATTGCTAGAAN
Table3 4514
NNNNNCAGGTACGCGGGGGAGTTTCACGCGCGTATGCTTTGCCCGCCATGGCCGCAGTCAAGGAG
CCTTTGGAGTTCCATGCCAAGCGGCCTTGGCGCCCCGAGGAGGCAGTAGAAGATCCGGACGAGGAGGATGA
GGATAATACTAGTGAAGCCGAGAATGGGTTCTCCCTGGAGGAAGTGTTACGGCTCGGAGGCACCAAGCAAG
ATTACCTTATGCTGGCTACTTTGGATGAGAATGAGGAAGTGATAGATGGAGGCAAAAAAGGAGCAATCGAT
GACCTTCAGCAAGGTGAATTGGAAGCATTTATTCAAAATCTTAATTTGGCGAAGTATACAAAAGCTTCCTT
AATTGAAGAAGATGAACCAGCTGAAAAAGAAAATTCCAGCAAAAAAGAAGTAAAAATACCTAAAATAAATA
ATAAAAATACAGCAGAAAGTCAAAGGACATCAGTTAATAAGGTGAAAAATAAGAATAGGCCAGAACCACAT
TCTGATGAGAATGGCAGTACCACACCGAAAGTAAAGAAAGATAAACAGAACATCTTTGAATTTTTTGAGAG
ACAGACTTTGTTACTTAGGCCTGGAGGCAAATGGTATGATCTGGAGTACAGCAATGAATATTCTTTGAAAC
CCCAGCCTCAGGATGTTGTATCTAAGTACAAAACCCTTGCTCAGAAGCTGTATCAGCATGAAATCAACTTA
TTCAAAAGTAAGACGAATAGTCAAAAGGGAGCCTCTTCTACCTGGATGAAGGCAATTGTGTCATCGGGGAC
ACTAGGTGACAGGATGGCAGCCATGATTCTTCTTATTCAGGATGATGCCGTTCACACACTTCAGTTTGTAG
AAACTCTTGTGAACCTTGTTAAAAAGAAGGGCAGCAAACAGCAGTGCCTTATGGCCTTGGATACTTTCAAA
GAGTTGCTTATCACAGACCTTTTGCCAGACAATCGGAAGCTGAGGATTTTCAGCCAGCGTCCTTTTGACAA
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AGCTGAAACACTTAGTGGCTGAATTTGTGCAGGTCTTAGAAACTTTAAGTCATGATACATTAGTAACCACT
AAAACTCGAGCCCTTACCGTGGCTCATGAGCTGCTTTGTAACAAGCCTGAGGAAGAAAAGGCTCTTCTTGT
GCAAGTGGTAAATAAACTGGGAGATCCTCAGAACAGAATTGCCACAAAAGCATCCCATCTGTTAGAGACAT
TACTTTGTAAACATCCCAATATGAAAGGAGTTGTGTCTGGTGAAGTAGAAAGGCTACTCTTCCGCTCAAAT
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AACTAGATGATCATCCGGAGTCTGATGATGAAGAAAATTTTATTGATGCAAATGATGATGAAGACATGGAA
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TCAGTATTCAGGGGACCCACTGCAGGATTTCACTCTAATGAGATTTTTGGATCGATTTGTATACCGAAATC
CAAAGCCCCATAAAGGCAAAGAAAACACAGATAGTGTTGTGATGCAGCCGAAAAGAAAACATTTTATTAAG
GATATTCGTCATCTTCCTGTGAACAGTAAGGAGTTCCTTGCAAAAGAAGAAAGCCAAATACCAGTGGATGA
AGTGTTTTTCCACAGGTATTATAAAAAAGTTGCTGTTAAAGAGAAACAAAAACGGGATGCAGATGAAGAAA
GTATAGAAGACGTGGATGATGAAGAATTTGAAGAGCTGATTGACACATTTGAAGATGATAACTGTTTCAGC
TCTGGAAAGGATGATATGGATTTTGCTGGAAACGTGAAAAAGAGAACAAAAGGAGCTAAGGATAACACATT
AGATGAAGATTCAGAAGGTAGTGATGATGAACTTGGTAACCTGGATGACGATGAAGTTTCTTTAGGAAGTA
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GAGAGCGTTCCAGAACTTGAAGTCCACTCCAAAGTCAGTACTAAGAAAAGCAAGAGAAAAGGTACAGATGA
TTTTGACTTTGCTGGCTCATTTCAAGGGCCAAGAAAAAAGAAAAGAAACTTAAATGATTCCAGCCTATTTG

Table 6
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TATCTGCTGAAGAGTTTGGCCATCTATTGGATGAAAATATGGGATCCAAGTTTGATAACATTGGCATGAAT
GCCATGGCTAACAAAGATAATGCAAGTCTCAAACAGCTTAGATGGGAGGCTGAACGTGATGACTGGCTACA
CAACAGAGATGCAAAAAGTATCATCAAGAAAAAGAAACATTTTAAAAAGAAGAGGATTAAAACCACTCAAA
AAACTAAAAAACAAAGGAAATGAGTTATTAATGTAAATTATAGATTAAAATTCTACTTACATCTAATTTTT
GCTGTTCAACCATGTTTTTTGATCTAGCTCTCTGATTCCATACATTCCAGACTTCTCAGTGGATTTGTAAT
AAACTATAAATAAAAATAGCTCTCATTTATAAAGTCATGTGGAAACATTGTTAAAATTAAATGTATTGANN
NNNNNNNNNNNNNNNNNNN
Table3 4518
NNACCCACGCGTCCGCTAGAAAGCTCTGTCTTCTATAAGCTTAAGAGTCCGAGTGTCTTTACACC
ACTGAGTGCCATGCAGAGAAGGGTCATTTTCCTTGTATCTTAGGAAGCTGGAAATGCAGGCTGGTCTCCCT
TTCTTGCCTTTGTCACTAACCCCGAGCTGTCAGCCATTTGGAATCAGAACTGCTTTCCAGTGTTCTAAGTC
CTTATTTGATTACAAATATTTGGTGAATCAAAGTAAGGCACTTTGGTCCTAATTTTTGACCTTTGGTCCTA
ATTTTTGTTTGTAAGATGTGGAGAATAACCCTGACCTTACCAGGGGTCCTGGGAATGTGAATCCATTCGTC
AAGTGGTTCCACATCTAGAAGAATTTTGCCTATGCCGTGTCAGGCATCATTCAACACAAGGCCAACTATCT
GCTGCCAGTCTGGCATAAGATCAGATTGAAACTGCTAAGTAATGGTACATCCAAATAAACAAAGTTCTTCC
AAGAGAGTAAACCCAAGTCCATCTTATACACGTATTTGTTCTGGGTTGGTGGGGACGACAGTTCAGCCGAG
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CAGACCTCTAGACTATTTGGAATCTGATTTTAAAGAATGGCCCAGCAGATGAAGGTGTTTTTTTAAATTGT
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GAATAAAGGGAAGGTATTGTCTTAACTGAGCTGCTAACTAATCAAGCATGAAGGTTTCTGGGAAGCTGTTT
TGTTTTTTTTTTTTTAATTTCACCTGGAATTAAATTAATAGTCCCCTCNNN
Table3 4519
NAGCTCCCCGCGGTGGCGGCCGAGGTACAGCAGAACTGCATGATCAGCTGTATGGTAGCCTTGAA
AACCAACAGGCCACAATCACAGTGAAAACCTCAGGTTGGCAGCCACTGGAGGATATAAAATGAGTTTGGAT
CTCCTTCAATGCCCCATTCCCAGAGAACTGTCATTATTTGGACCTGCTGGTAGTTCCCTAAAGGACGTGCA
AGGATGTTTTTATTTGACTGGACACTTGAAGCTTGCCCTGTATGAACAGCCCCCATCTTCCCATGCTTGTC
AAAAATCAGAGGCAACTAACACTGCGGCTTCCTGAGAGTCTCACTCTGTCACCCAGGCTGGAGAGCAATTG
CACAAACACTTGGCTCACTGCAGCCTCAACTTCTTGTCCTCAAGTGATCCTCCCACCTTAGCCTCCTAAGT
AGCTGGGACC
Table3 4520
ACTTTTCAGTTCAAGGATTTCTGTTGCATATTATAATTATTGTCAAGTTTCCTTAAAACGATTAT
TTTGAATTATTTTTCAGAGAGTTAATATATCTCTATTTCTTTAGGGTCAATCGCTGGAAATTTTTTTGTCC
TTTTGGTGATGTCACGTTTCTGTAATTGTTCTTGATCCTTGTAGCTGTGTATTGATATCTGTGCATTTGAA
AAAGTAGCTATTTATTCAAATCTTTACAGTTTGGCTTTGCATTGGAAAGTCATGTGGCAGGAGCAATGATG
GGGTGTGCCAGAAGCCCACGGT
Table3 4521
NNGCTCAGGGTTCCGGAGCCGCGGCCCGGGGAGGCGAAAGCGGAGGGGGCCGCGCCGCCGACCCC
GTCCAAGCCGCTCACGTCCTTCCTCATCCAGGACATCCTGCGGGACGGCGCGCAGCGGCAAGGCGGCCGCA
CGAGCAGCCAGAGACAGCGCGACCCGGAGCCGGAGCCAGAGCCAGAGCCAGAGGGAGGACGCAGCCGCGCC
GGGGCGCAGAACGACCAGCTGAGCACCGGGCCCCGCGCCGCGCCGGAGGAGGCCGAGACGCTGGCAGAGAC
CGAGCCAGAAAGGCACTTGGGGTCTTATCTGTTGGACTCTGAAAACACTTCAGGCGCCCTTCCAAGGCTTC
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GGAGACCCAAGTGAAGATATGGTTCCAGAACAGACGCTATAAGACTAAGCGAAAGCAGCTCTCCTCGGAGC
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TCCGTGTATAACAGCTATCCTTACTACCCATACCTGTACTGCGTGGGCAGCTGGAGCCCAGCTTTTTGGTA
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TGAATATCAACTCTGAAAGAGCAAACCTAACAGGAGAAAGGACAACCAGGATGAGGATGTCACCAACTGAA
TTAAACTTAAGTCCAGAAGCCTCCTGTTGGCCTTGGAATATGGCCAAGGCTCTCTCTGTCCCTGTAAAAGA
GAGGGGCAAATAGTCTCCAAGAGAACGCCCTCATGCTCAGCACATATTTGCATGGGAGGGGGAGATGGGTG
GGAGGAGATGAAAATATCAGCTTTTCTTATTCCTTTTTATTCCTTTTAAAATGGTATGCCAACTTAAGTAT
TTACAGGGTGGCCCAAATAGAACAAGATGCACTCGCTGTGATTTTAAGACAAGCTGTATAAACAGAACTCC
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ACTGCTGCTAGGGGCTGTTGCATTTTTTTATTAGTAGAAAGTGGAAAGGCCTCTTCTCAACTTTTTTCCCT
TGGGCTGGAGAATTTAGAATCAGAAGTTTCCTGGAGTTTTCAGGCTATCATATATACTGTATCCTGAAAGG
CAACATAATTCTTCCTTCCCTCCTTTTAAAATTTTGTGTTCCTTTTTGCAGCAATTACTCACTAAAGGGCT

Table 6
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TCATTTTAGTCCAGATTTTTAGTCTGGCTGCACCTAACTTATGCCTCGCTTATTTAGCCCGAGATCTGGTC
TTTTTTTTTTTTTTTTTTTTTTTCCGTCTCCCCAAAGCTTTATCTGTCTTGACTTTTTAAAAAAGTTTGGG
GGCAGATTCTGAATTGGCTAAAAGACATGCATTTTTAAAACTAGCAACTCTTATTTCTTTCCTTTAAAAAT
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CCTTCTGGTGGTTCTGCTGTTACGTTTGAAGTCTGACAATCCTTGAGAATCTTTGCATGCAGAGGAGGTAA
GAGGTATTGGATTTTCACAGAGGAAGAACACAGCGCAGAATGAAGGGCCAGGCTTACTGAGCTGTCCAGTG
GAGGGCTCATGGGTGGGACATGGAAAAGAAGGCAGCCTAGGCCCTGGGGAGCCCAGTCCACTGAGCAAGCA
AGGGACTGAGTGAGCCTTTTGCAGGAAAAGGCTAAGAAAAAGGAAAACCATTCTAAAACACAACAAGAAAC
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TCTCTTGACTCCACTACTTAATTCCGTTTAGTGAGAAACCTTTCAATTTTCTTTTATTAGAAGGGCCAGCT
TACTGTTGGTGGCAAAATTGCCAACATAAGTTAATAGAAAGTTGGCCAATTTCACCCCATTTTCTGTGGTT
TGGGCTCCACATTGCAATGTTCAATGCCACGTGCTGCTGACACCGACCGGAGTACTAGCCAGCACAAAAGG
CAGGGTAGCCTGAATTGCTTTCTGCTCTTTACATTTCTTTTAAAATAAGCATTTAGTGCTCAGTCCCTACT
GAGTACTCTTTCTCTCCCCTCCTCTGAATTTAATTCTTTCAACTTGCAATTTGCAAGGATTACACATTTCA
CTGTGATGTATATTGTGTTGCAAAAAAAAAAAAAAAAGGGGGCCCTTTTTTGTAAAAAAAACCTGGGTGGG
GAAACCCATTTGGTTTTTCCCCCTTGGAACCTGGTTTTAACCCCTTTTTTAACGGGGAAAAAAAACTTTGA
AAAAGTTTTTTTTTCACCTTTTAACGGGGAAATGGGTGGGTTTTAAAACCCTTTTCCCCCAAACGCCGGGT
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AAAAGGGTTTGAAAAAAAAAGCCCCCNNNNNNNNNNNNN

Table3 4522

NAACTTCGACGACCATTCACATGGATTATGGGACAAATGCCCATAAGTTTATAATACTTTCTTAC
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TTTTTGAATGTCATTGCTTCTACATTCTCTTAGTGGACAGATCTAGGAAATGATGTTTGAATCTATGTATA
TAGGTACATCTCAACTGATTTATGTATATTAAAACCATGAGTTCACAGCAGTACCTTCAATTCCAGTCACA
TGGCTCGACCTAGCCTCAAACTTCTTAAATGTGTAGCTTTCTTCTTCAATAGTGAGAAGTCTTGCTCCTAT
TGTCTTTAATATATTTATATGTTTTCTTATTCTACTTTACAAAACCAATATTTTGATACACATGCCATAAC
CTTCTCAGCTTTAACATTGCTAGTCATCTCTAATCATACCCTCAGATTTGACTCTGAATGGTCCTTGTTGT
CTCTTCAGCCCCAGTTGTTTCTTTGGCACTGGCCGTCCTCCTGACCTCTACTGTCTCCTTGGCCCTCACCC
TGAAAGTCCTTCCAGACTCACTTGCCTCTGGCTCTATAAGACCCTGGGTATCACCAGGGCCTCTGCTCCCT
CCATAGAACCCGTGTCCCTGAGGCCTCACTGGCTCTAGCTACATCAAAGAGAGGGAAAGGAAGAGAACCAG
TAGT

Table3 4523

ACCGCGGTGGCGGCCGCTTTTTTTTTTTTTTTTATATTTTTAGTAGAGACAGGGTTTCACCGTGT
TAGCCAGGATGGTCTCGATCTCCTGACCTCTTGATCCGCCCACCTCGGCCTCCCAAAGTGCTGGGATTACA
GGCGTGAGCCACCCATCCGGCCTAACGAGACTTATTTTTACTCAACTAGATGGCGTTCATTCATTTGCTTA
CTCAGCTGTGCCAGGAATTAAGTTGGGCACTGGGAATTCCAAAACCAACAAGACATTCTCTGTCATCAGGG
AACTCACAGCCTAGTATGAGAGATAAACAAATGAACATGAAATTATAATTCAGTAACAAAGAATGAGTGTT
ATGGCAGAGGGAATGTGTAAGAGCTTGGCAGGGTATCCAGCAGGGATACCTAACTAAGCCCCACTGGGGAA
GGCATCCGAACAGAGGGGACAGCTGAGCTGAGTTCAATGAGCCAGTAGGAATTAGGTTGATATAAGTCAAA
TCATTTAGTGTTTATGACAACTCTGAAAAATAAGTATTTCCATTTTACAGATGTGAAGCCTAAGTCTCAAA
GAGTTATCCAACATCATCCAGAAGTGTGGGGACCCCACAATATCCAAGGGAACCTGGCCCCAAAACTCATG
ATCTTTCCCCTTTACCGTGCTGCCTCTTCAAGACTGAGAATCTGTCCTTGATGGGATTTGTTCAGGTACCA
TGTCAGGATGACTGTCTACGTAATGGAAGCCCTGTCGCCAGCTTTTCAGCTTCCTTTCAAATTCCCCCAAC
TCCTTCTTTTTTTCACGCAGCAACTTGTCTCTTTCCATGGAAATGCCTGTTCTTCATTGAAATTAAGTCCA
TCTGGCATGATCTCCCTTGACTTCTTTCCTCTCTTTTTGAACATGTGTTGATCCTCAGCCCAGCAGATTGT
AAACTCCTCAAGGGCAGGTGCCCTGTTTTAATCCTTGTCTGTGTCCACATAATCAGGCATAAAAACAAGGG
GAGGGGAAGAATAGAGAGGAAGAAGGAGGGAGGGACAGAGAGAAAAAGGGAAAGGGAGATAACGTAAATAG
AGAAAAATGCAACAACATAATGGAGAAACACACAGAAAGAAAATCAGAAACAGAACCCCAAGGCATAAAAA
AAAATCCCTGTTACGTCCCCGCGTTAATTAATTCTAGAAGTACCCCGANNNNNNNNNNN

Table3 4524

TTTCCAGGGAGTAAAAAGGCCTTTTGGGTGGCACATAAATCTACTGCGGTGCTGCCTGCTGTGGC
GCGGGACAGCTGTTGAATTGTTGTAATTGGCTGACTCCCTGAAGTGGTGGTATTTTCTGTAGGGGTTGTTG
TCCTTGAAAACCCTGAGGAACAAACAGTTTAACTGGGAATGCCCCAGTTTGTTGGGGGGCCTGAGGCTGGC
CCCTCTTCCTGTTTCCAGACAATGGTTGCCCATCTTTATCAAATTTAGAATGACATTGATTGGCCCAATGT
TTTGCTTTTCCACATTTTGGACACAGGCCAGATGGCTTTTTATTTTTTGCTGTTAATAGCTTGATTTATTA
TATTCTGTTTATTTAAGCCTGGGCAACTCCTTTTCAGATGACCGATTTGACCACAATTATAACATTTTTTC
CCAAATGTTCTAACTTGTCCTCCTAGAGTGAGCCCCCTCATTGCTTGAGCCATTAGCATTGCCTTATGCAT
AGCTCCTCCAATCCCATCACAAGCCTTCACATATTCTGTAATTACATCAACTCCTGCTGGAACTTTTCCTT
TTAATGGCTTTATGGCCGACTGACATTCTGGATTTGCATTTTCATAGGCCATTAATTCTACAATAACTTTT
CGGGCATTGTCATCTGTAATAGACTTTTGAGCAGCATCTTGTAATCTTGCCACAAAGTCAGGATATGGCTC

Table 6
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TTTAGAGCCTTGTCTAATTGAATTAATAGGGAAAGCTGTTCCTGGGTCCTGAATTTTTCCCCAGGCCCTGA
GGCAAATAGCCCTTACTTGTTCAATAGCCTCATTCTGCATCACTGATTGTTGGTTAATGGTGCTCCAATTT
GGACCTGTTCCTAACAATTGGTCTGCGTCTATATTAACAGTGGGCTTAGTAGCCTGATTTTTTCGTACCTG
TTCTTGTACTCCATCAATCCACCAGGTTTTAAACTGTAGATACTGAGAGGATGAAAGGGAAGATTTGGCCA
AAATTTCCCAGTCATAAGGAGTAAGTCTATTTCCATGAGCAATGGAATCTAATAATGTTCTTATATAAGGG
GAGTTGGATCCATATTGTTTAACTCCTTCCTTTATATCTTTTAACATTTTCATGGTGAAAGGTTCACATCT
AGTCTCAGCTCGGGCAGGCGCTCCTACTTGAGTCTCTTCCCCGGCCTGTACCAGTTGTAAAATTACCAGGA
ACCGCCATGCCTCAAGATCGCCCTGTTTTCTGGCTTCATCAATGACTGCATGCAGTGCACCACCCTGTCCA
CTACGTGATGCTGTAGGATTAAGTCTCACAGTGGGCGGCTGAGGATACAGCGCCGCGTCCTGTGTTGCTGG
TGAATTAGACGCCATCGCTGTGGGTTGCTGGTATGGTGCCGTGCTATTTGGCACAGGACACACCGCTTGAG
GTCTGTATTGAACCTCTGAAGGAGGCCGATACTGAAGCTCGGTTGGCAGCCGGTATTGATAAACTACCAGC
GGTTGGGTCTTATTTTCTACCGGCTGATATTGTGGATACTGTATCTGAGTTGGCATTGCCGGGATAGAGAC
TCTGTCCCTTTCTACTTGATTTTCTCTTGGGGTTTGTGCTTGTCTAACCTGCGTTTGAGGTTGTAATGTTA
CAGGCATCTGAACCACGGGAGGAGGAGTTGATGGCGATCGTGGTTTAGGCTCTGATGGCCCCAATGATTCT
GGACCTCCTTCCCCCAATTTTGATGATTCAGGGTATATTATCTCCTGTAATTGACTGTAGTCAACATTTTG
CGTTGACTGAGCCATTACAGACTCTGCTACATATTTACAATGTGAACTTTCCGTTCCTTGCTGGGATTCTG
TCCCTGCCTCTTCTTCACAATCTGTTACACAGCTTTTAGGGGCATCAGAAACTGAAACAATATCTTCTCCT
GTTTGAAATGGTTCTAAAGTTGCTTTAATAATGGCCCAATCATTCCATACTGTAAGTGGGATGATTTTACC
TTCCCTATTTGCTTGTTTTAATTCTTTGCCAATTTTTTCCCAATCTTTTAGATCTAAAGTTCCCTGTTCTG
GAAACCATGGGCAGAATTGTTCTATTGTTTGAAATAGCGTAATTAGATTTTCTGTAGAAGCTCTAACTCCC
CCTCTTCTTAAAAGAATTTTAATAAAGCTGAGATAAGAGGCATATTTACTTTCAGTTTGCCCCATCGTTAC
CCTGGGTTCCTCTAAGCACACAAGCTTACCGCAAGGCTGACCGTGGACGTACTTGGGAATCTCTCGTCGGC
TGTCCTCAATGCTCACGTTCTTAGCGTACCTTCACCCTAGAGAAGGGCCCCCACGCCGGGCGCCAGATGAA
GGGGTGGCCTGCCCCTCCACACCTGTGGGTATTTCTAGTCGGGTGGGATGAGAGACGGAGAAAAGAAATAA
GACACAGAGACAAAGTATAGAGAAACATCAGTGGGTCCAGGGGACCAGCACTTAGCACACCAAGGACATGC
ACAGGCACCGGCCTATGAGTTCCCTCAGTTTTTATTGATTATGATTTTCATTATTTCAN

Table3 4527

tcCACCGCGGTGGCGGCCGCCCCGGGCAGGTACTTTAGGCTGAGAAATAAATAGAAGGTGAGAAA
AAAGAACAGTCTTTATAGTCAGTAAGAGTGAAAAGAGAAAGATGGTAGTTGGGGAAAGACAGATGGGGAGA
AAGGTTGGCTGGTTGTTAATAAAACAGTAGAGGATGAGCATGTATTATAAATGCTGGTGGGAAGAAACCTT
GTGGCAAGGAGGGTGGTAGTGTTGGAGAAGAAAGAGAGGATATAGTAGAAAGTTAAAGAGGAACTGGAAGC
AGGTGGGATCCAGGACATAGGAAGGGGAAGAGCCTTGGGCAGAGGTGAGACATCTGCAGGAGGGAAGGAAC
TGAGAGAAGGGAAGGTGTGCAAATGTGGCAGGAGGAGTTTGAGTAAAGTTCCATCTGATATCCTCTATTTT
CTCTGTAAATCATTCTGAATGAAGTATGAGACAAAGAGATCAAAGGCTTGAGAAAAAAAAAAATTTAAAAA
AAAAAGTACCtCgGCCGCCACCGC

Table3 4528

ACACTTGAGGAAGCTTGGGCTCAGAGGCTTTATGTTAATTCCAACAGTTTTTGCAACAGGAGGAG
GAGAATATCTGTCCAGGAGCCCTAATCAAGACTCAGCAGGAAGCTGGTGGCTTCCTTTCCTTTCCTTCTTT
TTGCTTCCCTTTCCTGGTACTTTACCTGGTGCTCTCCTTTCAGTCCTTCCTTCTACATATGGGGCCCATCG
CATTCCCACTGACTCAGATGCTGAGGGGCCAGACTGAAGGGACAGTGGCCATTGCATCAAGTCAGAGAACG
GATCTGACCCATCTAGTAGAAGCTTATTGTTTTGGCAGAAGCACAAGCTCTTAGAGGTGCAGCTGCAGGGT
GTGACCTATTGGGGACATTGAGCTCAGTGACCATGGGCCC

Table3 4529

NNNNNNNNAGAGAACAGATGGGCAGGTCCACAGCACTGCCAGATTCTGCACAAGCTCCATTTATC
GTTGGTTCTTGCTTTTTTCCTTCTGTGTTTTTAATTTTTTAAAAAACATTGTATGTTCTAGAGAACTAGCT
TCACAAAAGGTCGGTGGCTGATGATCTTTCAGCTAAGATTTCAAATGTAGAAGAACAATTCAAAATGCTAT
CACTGTGTATGTAAGAAGGATGGGGCAGATTTCATTTTACCCTCTAGTCTCCCTCAATGCATGCACGGATT
TATCTGTACGCTAAGCTCTCTGCTCTGCATCTGTAGCTCCTTGTGGATTATATTGTCTCAGTGATCAGAAA
TGATTTTCTCGGATATGAACACCGTTTCTGGCTCCCCTAAAGTGCATCCTCCTAATGGGACCCGGTTTTAC
ACTTTTCAAGAATTTGCTGCACTGACAAAAGAATTAAATGCCTGCAGGGAACAACTTCTAGAAAAGGAAGA
AGAAATCTCTGAACTTAAAGCTGAAAGAAACAACACAAGACTATTACTGGAGCATTTGGAGTGCCTTGTGT
CACGACATGAAAGATCACTAAGAATGACGGTGGTAAAACGGCAAGCCCAGTCTCCCTCAGGAGTATTCAGT
GAAGTTGAAGTTCTCAAGGCACTGAAATCTTTGTTTTGAGCACCACAAGGCCTTGGATGAAAAGGNNN

Table3 4534

NNNGCTTGGTACCTCTTGGTTGAATGAATGGAAGCAAAGAGAGTATGGTGTGAGCAGCCTGCCTC
TGAGGCTGGAATGTCCTACTGGGTTCAAGGACACCAAGGACTTCTGCTGCAGAAGGTGTGGCAGAAGAGGG
CTAGACACCACATAGGGAAAGAGTTCACTCACATTTGTTCTTTCACAATGAACAACAAAAACGAAGGAAAA
AATCACATCTCAGAGGATTCCATGGAGCACACCCAGAGACCAAAGGCCGATTGCTAGAAAACAGCAAAACA
GGCATAGTTCTGAGATGGAATGACTTGAAAGGCTGGTGGATTGTTCAAGAAATCAGTGTTTTGTTATCAGA
TTCCCTAATCATAAATCCTAGGTCTTAACCTGTGGTTTAGGGAAGACAGGTTTTATTTGGGTAGAAGTGCA
GTCATGCAGTTTAGTGATGTGGAAAAGAGGCGGAAAGATTTACAAGTAAATGTTTCCTTGATCATTGGATT
TAGAAAAAAAAAAAAAAAAAGCACCACTGCCACACACCTGTGGTGATGAATCTGAAAGTGCTTTCTGGCTGA
ATGACATCCTGCTATAGTGGTTGCGTGGGGGCAGCATAAGATCTAAGTGCTTCTCCCCTCCCTAGCTTTCA
AAGATTGTAAGCTCACTGAGTCAAGATGCTTTATCTTGGTCCCTGCTTTTTGT

Table 6
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Table3 4535
NNNNNNNCACTGGGTCTTTTGTCTTTCTTGGCCGACTTTCCCAGCGTCCTTCTTCTTCTTGTCGT
CCTTAGGCGGCATTGCGAAGCTCGGAGAATAGCAGCAGACTCCGCAGCCTCGTCAAGATGTCGGACAAAAA
GGAAGCGCTGCTCAGAAACGGGCCCAAAAACCACCGTCCGCTGTGAGTACTTCCGGGGCAAGAGGCGGAGC
CAGGCAGAGGAAGTCCCACGGCGAAGCGCTCGCCCTCTAGCCTGAGGCGGAAGACAGGAAGCGGATTCTAG
TTCCCAAGCCGCACCGCCTAAATACTGCCGGAGTCTGCGCTAGTTGTGACGCATACTATAGCGCTGTTTTC
CTGCACTGATAAACGAAAAGCAATCCACCAGGTCTCGGCAGCTAACTTTCCGGCACTACTTATGCCCGAGC
GTGTCGTCCCAGTGCGCAAGTGCAGCAGGTGGCTCACGGAGGGGCGCGGGAGGAAGAGGAGGAGGAGGAGG
AGGCTGGGGTGGGGCCGGCGGCAAGTGCTGTGATGCGGTTCCGGGGAGGGGCCGTCGGGTAGAGGCTGAAT
ACCAGTTTCCGAGCGGCAAGGCAGCGATGGCGATTTTTAGTGTGTATGTGGTGAACAAAGCTGGCGGCTTG
ATTTACCAGTTGGACAGCTACGCGCCACGGGCTGAGGCTGAGAAAACTTTCAGTTATCCGCTGGATCTGCT
GCTCAAGCTACACGATGAGCGTGTGTTGGTTGCTTTCGGCCAGCGGGACGGCATCCGAGTGGGTCATGCAG
TGCTGGCCATCAATGGCATGGACGTGAATGGCAGGTACACGGCCGACGGGAAAGAGGTGCTGGAGTATCTG
GGTAACCCTGCTAATTACCCGGTGTCCATTCGATTTGGCCGGCCCCGCCTCACTTCTAATGAGAAGCTTAT
GCTGGCCTCCATGTTCCACTCGCTCTTTGCCATCGGCTCCCAGCTGTCTCCTGAACAGGGAAGCTCAGGCA
TTGAGATGCTGGAGACAGACACATTCAAATTGCACTGCTACCAGACACTGACAGGGATCAAGTTTGTGGTT
CTAGCAGATCCTAGGCAAGCTGGAATAGATTCTCTTCTCCGAAAGATTTATGAGATTTACTCAGACTTTGC
CCTCAAGAATCCATTCTATTCCTTAGAAATGCCTATCAGGTGTGAGCTCTTTGACCAGAACCTGAAGCTAG
CTCTGGAGGTGGCAGAGAAGGCTGGAACTTTTGGACCTGGGTCATAGGCTGAACCTGTTATGGACCCCCAA
ATTCTGAGAGTTCCTGCAACAAGAATACTGCTGTTGACACTCCAGTGGAAATCCCAGCAGCCTTGTTAGTG
CACTTGAAAGTGGGAGAATGCTGACCCTGATGACTTGTACTGATTCCTGAGCCTTAACACTGTGCTCTTTC
CTTCTGTATATACCATGGTCTTACTTTCCAACTCTGTACAGATTTATTTATGGAGGAGCTAGGTCCATAAA
TGTTGTAATAAATATTCCTTTGATCTTGGTGTTTGCAAAAAAAAAAAAAAAAGAAAAAAAGAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAGGGGGGGGGGGTAAAAAATTCCCCGGGGGGCGCGGCCCCAGATTGACGCT
AACCCCCTATGTCTCTGGTAAACCAAGGGGGGCCCCCAATAGGGGGGCCGCAAATAGAAAGGAGGACCACG
AGCCGGGCGTTAAAACACGGCCGGGGCGGGAAAAAAACGGGCCGCCCGGGAACCGTTGGGGGGAAGGAACC
CCCCTCCTCGCGGGGGGGGGACCAATCAGCGGCACCCACCACCCCACGAAATATTAACGCCCGCGGCGCAA
CACAACCAGCTTCCAGCGGTGTCAACGGGTGAACCCACGCGGCAAAGCACCGCGGCTANNNN
Table3 4536
NNNNNNNNNNGNCCGTCCCGGTCCGGAATTCCCGGGTCGACCCACGCGTCCGTCATGAGATTCCC
TTGATCAGCCCTGCAGCTGTAGTACAGCGCTGTGCCCTCACCTCCACCCTTCCTGTTGTTCCCACGTGGGC
AATACCAGGGACCCATGGGGAAACTCAAGAATGACAGCTTCTATATTTTGTAATTCTGGATGAAAGATAAC
TGTGTTGAACAAACAGGTGCTCCAGGCTTTGATTATAGATACGACTTCAAAAATATGCTAAGACGCTTGAC
TTATTAAGGACTTTAACCTACTCAACAGTATTTCATATCCATTGTGGTTAGTTACTCAGTTATGTTGAGAA
GAATCTGGAGCTAAAAGCAGAGATGTTTGAGGTGACGGTAGGAATGTGAGCAGGATGGTGATGGGGGTTTT
TGTTAAAATGCATCTGAGCAAGTCAGCCAGCCCCGAAGTCCCCTCAGTGTGTGTGTCTCGAGTGGCTACCT
GTTGGGCTTGTGGGCAGTGATTGTACAGAGCCTGTCCATTGGGTGCAGTCATGTAGATCTGAAGCCCTGAA
AAGCCTCATGTCTGCATCCCCTTTCCAAGGCTGCTTCCCTGGTGTGTCTGTTCTCTCCTCTGTCCCAGGTG
CTGGGAGCGTCCTCTTCAGCGTCTTTTCCTAGAGCTGGTCACCACTAGGCTGTCACTATAAATTCCTTGAA
TATAAGTAACAGTTATTAATGAACTTCTAAATTTCTAATTTCTCTCTCTCTCTTTTTTTTTTTTTTTGT
TGTTGTTAAAAAGGGCCTACTACATTGGCGCTATTCTTAGGACTTCTGCAACTTTTAAAGTCTTACTGGTC
TTTCTTGTTGCTTGTGTATTAGGAGTTCCCCGTGTGGGCTCTAGAATCCCCTTTTGGAGTACATGCTCTCC
TAGGATACTCATACTAATGGCCCTATCTGTTCTCAGGATGGAGAGAACACAGAAGCTACTATCCATGTCAG
GATTTATTCTATTTATATCTTATTACAATAAAATTAGTGGCACTTTATTCATAAATATTCATGAGCCTGTT
AATTGTTAGTTGTCTTCCTGTAGCTGAATCAACAAGTTATTTTCAACTCAATTTTATGACTTGCGAAAAAG
CTTTTGCCCTGTTGTGTACCATAACATTTAAAAGAATGGAAAATGACTGAAATCCAATTTAGATTATTTTT
AGAGTATTTTTCCAGCAAATTCAATTTATTCTGAAATTTAAATCCAGATCTTTTCTAATATGGTATTACAA
TGAAAAGAATAAAGAGAAGATTTGAATTTTCAGTTTCATTTTCAAAAACTATTTACCAAAACAAATGGAGA
AGAAACATCCAAAAGCACATTTCATTTCTCCAAACTTTGTGTTTTAAATTATAGTTATAAATTGTAAGGTA
ATTTTAAATTGTCCCTCGTATTATTTCTCCACGTCTGTTTTAGTTTAATGTCTCCTAAGCTTTTCTCTCAT
AGCGTAGACCTAGGGAAGGGATGGGAAGATTGCCCAGTCCCCGATGGCTGCGCACACAGGAGGCGGCGGAG
CACAAGGCAAGTGAGTTTGCACTGTCAGCCCCAGACCGTAAGCTTGGCTACACTGATGTTTTTCTTTACTA
AGGATACTATTCAAAAATTAACATTTTCATCTCAGTAAGTTTTTAGAACATCAAAATGTTTTCTGAGCTCC
AAGTGGCTAGGTTGTAAAAGTTTTATAATAATTTGCAATTAAAATACATGATACATATTAATCCATTAAAG
ACTAGTGGGAATGTATCAGCCAGAGTAGCAAGTAATTTTTGTTTTATAAATCATAGTATCTGTCATCTTGC
AGTATTACCAATGCTGTTGTAAATTGAATTTAAAGTGGTATTAAAAAAAACTGTTAAACAATTTTTATCTG
TTTGTATATCTTACTATAGATTATGTACAAGTAACATCTAAATAAAATTACACTTTTAACCCTAAGAGGAA
AAAAAAAAAGGGCGGCGCTCCCGATCGGACGCG
Table3 4539
ACCATTAAGGAAAAGAGATTTAAATGCAATGTGCCTACATTCTATCTAGAGGGCCCATTCTTCAG
TTCTGACTTCAACAACAGGACTAGGTTTACTGGCATTCATGTCCAGTGAAAGGAAGGCGGTTAGGAGGAGT
CGCAATAACTTTCTCTTCTGTTAAGAGCTCCCGTAGCACTCAGCCACTCCCGGTGGTGTATCCTTGTGTTG
GGTAAGCTACCCATATGCCAAATGCGTTCTAGTAGAGGTCCAGACACACACAGGATTGAGGTCAGAGTCAT
TCACAGACATTCGAAGATATGAATAAAAAAACAAATCCTCTCAAATACACAGAAGATAGGGTAGGGCTTCC

Table 6
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ATTATAATAGTAAGTCAGAACACTAAATGTTAAAAGTGGTAGCTGGAGCAATATCAGAGCATAGGCTCTGC
AGGCAGCTCACGTGGGCTGACATCCCTCCCTTCCTTCATAAAGTTGTGTATCAACGAACACGCTGCCTAAC
CTCTCTGAGCATGAGGTCCTCACCAGTAACAGGCAAAAATTATACTTCCTCTTTGGGTTGTCCTGAGGAGT
AAATGAGATAATTTATGTAAAGTGATTAACACAGTACCTCGGCCGCCGCCG
Table3 4543
ctaggttcgaggctggggttaaatcggccgaggtcagcctaggctataaggtgtattttatCAcc
tacagaccatatgcAGACTAAATACAACActtgtGCCTGATTCTGAATGGTATCTTATATCAAAAGGCTCC
CTTAATTTTAGCTcttgcTTCTCAAGCTTCTCTCTCAACTTATCAGAACTGCCTATAGTAACCAAAATGGA
TTCATGAAGAAAAAAATATATTTTAGGAAAACATGTGCAAAAAGCATCTAAGCATCTGTTAACATTAAAAC
CAGAAGGCAGTATGTGCTGCAGAGTACATAAGAAGAGGCTTTAAAATTTAGTAATTCACAACATCCACTTA
GAAGTATTATAGTAATCTTTTAAAGTAACACACCACAATGGTACACGCTCTTCTGCTGCTGTTTGTCTACT
TCCTCCTGCTTCCCCGCCGCCGCCGCCGCCATCATGAGGGAAATCGTGCACTTGCAGGCCGGGCAGTGCGG
CAACCAAATCGGCGCCAAGTTTTGGGAGGTGATCAGCGATGAGCACGGCATCGACCCCACGGGCACCTACC
ACGGGGACAGCGACCTGCAGCTGGAACGCATCAACGTGTACTACAATGAGGCCACCGGCGGCAAGTACGTG
CCCCGCGCCGTGCTCGTGGATCTGGAGCCCGGCACCATGGACTCCGTGCGCTCGGGGCCCTTCGGGCAGAT
CTTCCGGCCGGACAACTTCGTTTTCGGTCAGAGTGGTGCTGGGAACAACTGGGCCAAGGGGCACTACACAG
AAGGCGCGGAGCTGGTGGACTCGGTGCTGGATGTTGTGAGAAAGGAGGCTGAGAGCTGTGACTGCCTGCAG
GGTTTCCAGCTGACCCACTCCCTGGGTGGGGGGACTGGGTCTGGGATGGGTACCCTCCTCATCAGCAAGAT
CCGGGAGGAGTACCCAGACAGGATCATGAACACGTTTAGTGTGGTGCCTTCGCCCAAAGTGTCAGACACAG
TGGTGGAGCCCTACAACGCCACCCTCTCAGTCCACCAGCTCGTAGAAAACACAGACGAGACCTACTGCATT
GATAACGAAGCTCTCTACGACATTTGCTTCAGAACCCTAAAGCTGACCACGCCCACCTATGGTGACCTGAA
CCACCTGGTGTCTGCTACCATGAGTGGGGTCACCACCTGCCTGCGCTTCCCAGGCCAGCTCAATGCTGACC
TGCGGAAGCTGGCTGTGAACATGGTCCCGTTTCCCCGGCTGCACTTCTTCATGCCCGGCTTTGCCCCACTG
ACCAGCCGGGGCAGCCAGCAGTACCGGGCGCTGACCGTGCCCGAGCTCACCCAGCAGATGTTTGATGCCAA
GAACATGATGGCTGCCTGCGACCCCCGCCATGGCCGCTACCTGACGGTTGCCGCCGTGTTCAGGGGCCGCA
TGTCCATGAAGGAGGTGGATGAGCAAATGCTTAATGTCCAAAACAAAAACAGCAGCTATTTTGTTGAGTGG
ATCCCCAACAATGTGAAAACGGCTGTCTGTGACATCCCACCTCGGGGGCTAAAAATGTCCGCCACCTTCAT
TGGCAACAGCACGGCCATCCAGGAGCTGTTCAAGCGCATCTCCGAGCAGTTCACGGCCATGTTCCGGCGCA
AGGCCTTCCTGCACTGGTACACGGGCGAGGGCATGGACGAGATGGAGTTCACCGAGggcCGAGAGCAACAT
GAATGACCTGGTGTCCGAGTACCAGCAGTACCAGGATGCCcaCAGCGgaaggcaGGAGGGCCGAGTTCGAA
GgcaGGAGGCTGAGGAGGAGGTGGCCTAGAGCCTTCAGTCACTGGGGAAAGCAGGGAAGCAGTGTGAACTC
TTTATTCACTCCCAGCCTTGTCCTGTGGCCTGTCCCACTGTGTGCACcaTTGCTGTTTTCCCTGTCCacat
ctcATGGCTGGACAGaCACCACCagttaaagcattttcatcgtgaaaccccaaaaagaagagaagccgggt
ggagcccggtcccttgggatgtcttcccttgggtggggcgcacgagcttcccaccgctatcccccacgcct
tctcccgctttggtccctccccctgctggtctcgcctctcattggcccgagtgctcgcggcgcttaatctac
ggacgcctcaggtccttggagcccgccaggttgtgactacaccgcgtccgccgaggtggcggcaaaggccc
tgcgacgtgcgacgagtgcgcgcctgctcgcgtggtagcaatgcgagccccgtgtcctgttcgtggaggcg
gtggacctttcgatgggagcgccactacgcttacagcaagcttttacttgcgtgtactcgctgccgtttca
cgcttgtgacaagtgttcagtggtgttccaagtatcctggcgtatcgcggcggattgcaaaggtgttgggt
taccggcgtacggtctttggccttttgtcggggctctctctg
Table3 4547
ACGTAACAGGACATCAATAAATATTAGTTGAATGGAAGATTAAATCAACAAAATGGGTGATGGAT
CTCTGCAGTAAGTGGAAGAGTTCTTCATGGCCCCCAAGGTTATATCCATCTAGAACTTCAGCACGTAATTT
CATCTGGAAATAGTGCCTTTGCGGATATAAGTTAGGTAAAACTGAAGATGAGATCATACTGGATTAGGATG
GGATCTAAGTCCAATGAAAATGTCTTCATAAAAAACAGGAAAGAACCCATAGAAACACAAGGAAGAAGGTC
ATGTGAAGATGGAGGCAGAGATTGGAGGGATGCAGCCACCGGCCCAGGAATGCCAGCAGCCACCCAGAAGC
TGGAAGGAAATGAGGGATTCTCTCCTAGAACCTTTAGAGAGAACATGGTCCTGTGAACAGCTTGATTTTGG
ACTTGCCCATAGCTTGTATACTCTTACTTTGGATACAATTTTATCCAAACTTGGCTAAACAGTTTCTCAGC
CTATGGAAAATTTAAAATGGAGAAGATTCAACTCGATTCTTACAGATTCAAAGCAAGAAAATGATGGGAAC
ATAGGAGGAGACCAAGAAAGCCTATAAAAAGCAAAAATATGAAGTGAACATTGTGGTAGCTTTAAGATGTT
TAGTGTAGCTGCAGGCACCCTATACACATGAAAACCCCCAAGGGGAATCCCCATATCACAGTGTAGTGTGA
TATTTGACATTCGTGATCATCTAGAGATGTACAGAAAAGGTGAATCTGTGTTCTGTATATTCTGCCTAAGG
CAAAGAAATGTTTAGCTCTCTTTAAAATAGTTCCATAATTTTTTCTAAAAAGCTTTGCTTGAAAACTGTAA
GCTTCCCATATCTGGAGCATTTCACTTTAAATATTTGGATAAATATGTTATCTTCTTACTTGGACATTTCA
TGTGTTTAGGGATTGTCTTCTAAATTCTTCCTAATTCATATAGCTGCTAACACTTCCCGCAGAGCTAAACC
ATTACAGATATGAAATAAAGACCTATTGATTTGACTTACTTTTACTTGTAAAACCTTCTGAGTGTTATAAC
CTCATTTAATCTTTCAGCATTTACAGTTTCAAGAGTTTGTGTCACAATTAGAAGAATTCAGCTGCACCTCC
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TAAGACATTTTCAGAGCCCCACTTTAGAAGGTGTGAACTGGCTAGATAATGAACCCCAGGGCTAACGCTGC
TATAGCAGTGGGAAGGAGGTGATGGGTTTTCAGTTTGGACCTCAAACATCAATACCCTCCTGGTACCTCGG
CCGGCCCCGCGGGGGAGCTCAATTGCCCTATAGTAGN
Table3 4549
NGTACGCTTCCCTTGGCACCATGTTATACCATCTGTGCTGGGCTGAATAGTGTCCCCCCAAAATT
GAATAATGTCCCCCCAAAATTCGTGTATACCCTGAACATTAGAATGTGATCTTACTTGGTATTACTTGGTA

Table 6
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TAGGGTGTTGTAGAAATAATCAAATAAAGATGAGGTCATACTGCATCAGGGTAGACCCTAAATTCAATGAC
CAGGATTTTTATAAGTGAAAGGAGAGGCGGATTCAGAGAAAAAGACACAGACACACACAGAGAGAAGACAG
CCATGTGAAGACACAAGCATAAATTGAAGTGACACAGCTACAAGCCAAGGAATGCCAAAAATTGCTGGTAA
CCACCAAAAGTAGGAAGAGGCAAAGGGGAGTTTTTTTCCAGAGACCTTGGCGGGAGCATGGCCATGCCAAC
AACTTGATATCAGACTTGTAATCCCTACATCTATGGCAGAATAAATTTGTGTTATTTTAAGCCACTAAGTA
TGTGCTAATTTCTTATGGCAACCCTAGGACATTGATGTGCCATTGGAGTAGCCTGTTACCACTTTGAGAAC
AAGAAGCTCACTTTGATGCNNNN
Table3 4550
ACCTACATCACGAGTGTTACTTGAATGGAGATGTATAAAGTGCATTTTAAATTCATTTGTTTCCT
TAACATTTTCCCTTCATTTCTTATCTTTTCAGAGTTTCTTCTTCAAGGTCTCAAGGTCTGAAGCATCCCAC
AGAATGATCCTACTGAATAACTCCCATAAGTTGCTGGCCCTATACAAATCCTTGGCCAGGAGCATCCCTGA
GTCCCTGAAGGTCAGGGAACAGTGGGAGGTCAGGGTATGGGATGNNGGGTGNTGAAGGATGAGAAAATAGC
AGGCTTGTGATTCTAGTCCTTCCTGACTGTTTGCAGAGGGTTGGAGCTGGGAAACAGGATGGGACTGGGGG
CACAGGCTGCATATCAAGAGCTGCTGCTTCTCTTTGGGN
Table3 4552
NNNNNNNNNNNNAAAAATATTTCAAATAGGTTAGTTAGGAACAACTTTACTCAGAAGACGTATTT
GAGCAAAGACATGAAAGAGGTGAATAAAGCATGTGGATATCTAGAGACAGAGCATTCCAGACAGAAGGAAC
AGCAACTGTAAATAGCAGGGGCAGAGTGTGCCTGCCACTGGTCAGGGCAGAGAGTGTGAGGAAACAAAGGT
AAAGAAGTAAAATTTTTTCCAGCTATCCTGTTTCTAAGTTCCAAAAGCTATTTCTTCTTTTGAATATTTCA
TTTTATAGGACTTATTCTCATCTTTTGATGAAATACCTTCCCTCATGTCTCCCAGGGACTGGTATCTTTTT
AAGTTTTCTTCAGTTCCCCTGCACTGTTTCTGCTTCCTTTGAGTTCCCCTTTTTTCTGTTTGGTTTGCTTG
GTTATGCTCTCTTTTATATTACAGGCCCTTTCCCCCAAATACCTGGCTTTTTGTTCACATTAAATAGTTGA
CTGGCAGTTAGGTGAGGAGTGGGGGCAAGATAAGGAATGAATTTTTTCATTTGAGGATCACCCCCACATGA
CTTCATCTTCCGACTGCTCAGTTTACCCAGAGGTATACTGCCACCCCCAATTTAGGGAGTAGGAGCCAGGC
TGTTAGTGTTTCGAGACCAAGCAGGGAAGGGGCAGAGAGCCTCTTGCTAGTGCTCCTCTCTGCAGTTTTAC
AGTACGGTTTCTCCTGTTTGCTAAATCAGTTGTCACTAGACTATCTGTTTCCCAGCTTCTAAAATCTTAAA
ATTATAAAACTTTAATGCTAATAATCTGAAGTTCTTTGGGGTTAGTCCTTCTGTTTGTTATTTGTGCN
Table3 4555
AGATGGAGTCTCGCTCTGTCGCTCAGGCTGGAGTGCAGTGGTGTGATCTCAGCTCACTACAACCT
CCACTCCCTGGGTTCAAGCCTCAAGCCTCCCGAGTAGCTGGGTTTACAGGCATGTGCCACTATGCCCGGCT
AACTTTTGTGTCTTTGGTAGAGACAGGGTTTCTTCATGTTGGCCAGGCTGGTCTCGAACTCCTGGCCTTAG
GTGATCTGCCTGTCTCAGCCTCCCAAAGTGCTAGGATTATAGGCATGAGCAATCACGCCCGGCCTATTGGT
TTATTTCAATAAGCAGTTATGAGTAAAGAAAGATAAAATACTAGCTCTATGCATTATTAAGTAAAATACAT
AGCTTCTGACACAGCTACTTTTTGCTCTCCTGTGAAGCCTTTTAAAACTTTCTCTGAATTCCTGATTATGT
TCTGAAAGATAAAGCTGCTAAAACTGGGCTCCAAGGATAGTTACTGCAGGAAAAAAACTGAAGGCTAAANN
NN
Table3 4556
cGtcCGGCGGGATGGCTGCAGCGGCGGCCGGGGCCGGGAGCGGGCCCTGGGCGGCCCAGGAGAAG
CAGTTCCCGCCGGCGCTGCTGAGTTTCTTCATCTACAACCCGCGCTTCGGGCCGCGCGAAGGACAGGAGGA
AAATAAGATTTTATTTTATCATCCAAATGAGGTAGAAAAGAATGAGAAGATTAGAAATGTCGGATTGTGTG
AAGCTATTGTACAGTTTACAAGGTAATACCTCTAAGTGTGCTTTTAGCGTTCAGTGAATTCTTAAAACTGC
TGCTGGAGAATTGTCCCAAACATATTTTTTTAACCTTTGTAGGACATTTAGCCCATCAAAACCTGCAAAAT
CTTTACATACACAGAAGAACAGACAGTTCTTCAATGAACCAGAAGAAAATTTCTGGATGGTCATGGTATTT
ACATACACAGTGTATCTTTCTGAAATTGTATGGTGAAGTTATGGGTGATCTTTACTGTTCAGAATTTAGGA
AAGTTCTCTGGCTGTTGCATCCAAGTAAAATTAAAATAAAATTGGTTGCAATTTTAAAATCAAGTTCTTCC
TATTTGCTTTATTCATTCTTGGGGCTGTTTTAAGAAGCTATGTTTCTGATGCTGTAGCATGTTCAAAGTTT
TTAAATTAAGGCAAAATAAACATGGTCTAATGAATTCATTGTATAATTTCAGTTTATCAAACTTTGTAGGT
TGTTCGGAATCCTATAATTGAAAAACAGAGTAAAGATGGAAAACCAGTTATTGAATATCAAGAggAgggag
tTGTTGGACAAGgtttAtagctCGGTGCTgcggCAGTGCTAcagcATGTACAAGCTTTttAATGGTAcATT
TCTGAAAgccatgGAAGAcggaagcGTCaaGCTtctGAAAGAAAGATtagagaAATTCttcatcggtATTT
GcaaACGctacttttgcgntcatgtgacctacttga
Table3 4557
NNNNNNACCTTTAAAATAGGTNGAAGATGAAAGATGCCATTGAACTACTAGGTTTACCCTCTCAT
TTCCTTTATCTTCAACTTATTTTCTTTGTGTCATCTGAATCCTCCAGATATCTAACTTTTCCTTTTTATGC
CTTTCACATTTCCACTGGAGATCACTTTGTCCCCTTCCTTAAGGTTCTGTCGGGAGAGATTTAAGAGTTGG
TTCTAGCTAAAAAATATGGCTGTAGCTCTGAAGATGACATAAAAGTTTTTCCCTATGCCTAAGATTTCAAA
TATATGTATACATTTGAAAGAAAAAACAGGGAGAGCATTATTTTTTTGTCCAGATTATTTTTGCTCATTGT
AGGTAAAAAACAATCTGTGTATATATGTGAAATAAAACAAAAACAGAGACAAAAAAAAAACCTTTCAGTCC
CTACATAATAACTCANAAATAAAGTTTCTTCAGCCAGCTATGGGGATGGGGGAAACAATTCCCANNNN
Table3 4558
NNCTGAAGCACGTTGGGTGAGAGAAAGAAAGAAATCACATCCTTTATCCTCCCACACAGCCAAAG
ATTCCTGAAGACAGAGCTGATGCCATGTACTCAAGTGGGTCTCTGCCTCTCAGAGGTGGCCTTGGTCTTCA
AGTTTCAGCAATTCTGGGAAGCCAAGGACACCTCCATCTCCTCCTCCCTGATCTGCAACTCATCTAAGAGC
AGCTTTCTCATTGGAATGTCTTGTGTTTAAGGAACAAGAATCCCTGTTTCCGGTTTGGGTGCCCAAGTGCA

Table 6
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CCTACTGGATCCAACCCAGGATTGGAGATACTTTGCAGAACACAACATCATCTGGCACATGACCAGCCATG
GTGTTTCACTTTCACAATTTCAGCTTCCTTCACTGATTGCAGCATAATCGTGGTTCAGCAGCCTCCAAGAC
CAGGGCTGATGTGGGCGGCTACAGGGAGAAATTGAAGAGGAAGTTCTTGGTGGTGCCCTCCATGAGTACAA
AGAAGCCTCAGTCCCCAGGACACCCTTCCGTGCATGGTGTCACTGACATCTTTATTTCTTTTGTCACGTTC
TGTAAATCACAATGAATGGGGTATTCTTCTTCTATTATATATTTGTTAAGTCTTTTTTGGCATCTTTAAAA
AAAAGTGGTAACTTTATCCTATGTAATATCCCTGTTAAGTCCTAAAAGTCTTTTCTGATGTCTATTTTGTC
TGAAATTTGCACAGCTACTATAGCTTCATTTCGGTTCATATTTTCATAATCCATGTTTTCTCATCCTTTTA
TATTTGTGAATGTGTAAAGTAACTTTCTTGTGCATAGCTAAGAGTTTGGTCTTGCTTTTTTAAATCGACTA
TAAGTTCTATTTTTAAACTAATATTTTCTCTTATTTTTTGTTTAAGATAGCATTTCATAATGATGTTTATT
TCTCCATTAACATATTACCTAATTCACTTTTTATAAATATTATATTTGTTACCATAAGGTTTGCAAAAGGA
GCGATTCTTCATTTTGGAACCCTTTCTTATTTTCTGGGTACGACATAATGTAAAGCAGGCTTCGGATAGTG
GATCTGGGGACCAAGTTTGAGGTAGTGGAAATGAGACATTGCTGAACAAAAGAGAACTGGGTTTACCTGAC
CCTCTAAAGCGCTAAGT
Table3 4561
AGATGGAGTCTCGCTCTGTCGCTCAGGCTGGAGTGCAGTGGTGTGATCTCAGCTCACTACAACCT
CCACTCCCTGGGTTCAAGCCTCAAGCCTCCCGAGTAGCTGGGTTTACAGGCATGTGCCACTATGCCCGGCT
AACTTTTGTGTCTTTGGTAGAGACAGGGTTTCTTCATGTTGGCCAGGCTGGTCTCGAACTCCTGGCCTTAG
GTGATCTGCCTGTCTCAGCCTCCCAAAGTGCTAGGATTATAGGCATGAGCAATCACGCCCGGCCTATTGGT
TTATTTCAATAAGCAGTTATGAGTAAAGAAAGATAAAATACTAGCTCTATGCATTATTAAGTAAAATACAT
AGCTTCTGACACAGCTACTTTTTGCTCTCCTGTGAAGCCTTTTAAAACTTTCTCTGAATTCCTGATTATGT
TCTGAAAGATAAAGCTGCTAAAACTGGGCTCCAAGGATAGTTACTGCAGGAAAAAAACTGAAGGCTAAANN
NN
Table3 4563
CGTACTTCGGGAAAACAAGAACTGTGCTTCAATGTCTTTATAACCACACTATATGGCTCATTGTA
AATGTTCAACAAATGCTTGATGAATGACTCAATGAGCAAAATTACGCGAAAACACTTGCTAACCTATCTCT
TTTTCATCAAGTATGTAGCAAACACATGCCCACACCTGGCACCAGAAACTATAAGTGCTATCTAAATATCA
ACATTTTATTTGGCCTGTGCACTTATCAGCTAGTGGAAAGCATAAATTATTCCAATAAACAGACGGGAGGT
GTGGACGCAAAATATCACACCTAGGTCTATCAGAACTAATGACTTTCAAATCAAAGACTGCCTTACCTGAT
AAAGACTTAACTTCATGATTATTTCAACAGGGACTAAAAAAATTACAGGAAATCTTGGAAACCAGCTATCT
GGCCAAAGACACTAATTTTAGAGATGAAGAAACNN
Table3 4564
NNACTATAGGGCAATGGAGCTCACCGCGGTGGCGGCCGAGGTACAACTGATCAGCAAAAATATTA
TGATTAATATGTTAACTGAGGAAGTATATCCTACAATTTAGAAAGATTAATATTTAAAATAGTTAAAATTA
TTGAAAGTTTTAACTTGCCCGAAACAGTCCCTAACCATAAGGGACAATTAATGATGCTATAAAATTCTATC
TAACATTCCTAGTCTACTTGTTGTTTTGGAGGGCAGGCTGCCATTCCTGCCTATTTTAATCTTTCGAAGGT
GGTCTCTGCTCCCATTTAAAGGTATAAGCAATTAAGAGATACAGAACCCTCAGAACTACCTTCTATAACTT
ACCTAATTTCTAAGCTTAAAATGTAATCTAGGCTGGGCATGGTGGATCACCCGAGGTCAGGAGTTCGAGAC
CATCCTGGCCAACATGGAGAAACCCCATCTCTACTAAAAATACAAAAATTAGCCAGACGTAGTGGCAGCCA
CCTGTAATCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATCACTCGAACCCAGGAGGTGGAGGTTGTAGCA
GTGAGCCGAGATCGTGCCACTGCACTCCAGCCTGGGCAACAGAGACACCTGTCTCAAAAAAAGATATAAAA
AAATAAAGT
Table3 4565
NACTGACAAAAATAAAAAGCAAACAGCCTAACGCTTGGGTACAAGTGGCTTCATGCCTAATAATC
CATAGCACCCTTGTGGGGCTGAAGGCGGGGAAGACTTGTCTTGAGCTTCAGGAAGTTAGAGGGCTGTAGTG
AAGCTTACGAACTTGAGTCCACATACACTCCCAGTCTTAGGCAAACAGAAGCAAAGACTCCTGTCCTCAAA
AATCAAATAACAAAAATCAAAATAACAGAATATTTGTTGCCAGTGATAAAGTTAGACCCTAAATAAAAATT
AGAACTTTAGAAAGCATGCATTCACCACCATGAACTTTAAAGCAACCCAATATTTAAAGACCTTCCTGACG
AAATCAGTGGAATTATTAACAAATGTCTTTATTTAATACTGTATGATAAAATGTGTCAACATTTAGAAAAT
CTGCGTAACTCAAAGAGCCAGTATTTTCCAGAAGACCAATGTATGATGAATCAAAATCACACGTG
Table3 4566
CACAGTGGTGCGATCTCAGCTCACTGCAAGCTCCGCCTCCTGGGTTCACGCCATTCTCCTGCCTC
AGCCTCCCGAGTAGCTGGGACTACAGGCATCTGCCACCACGCCTGGCTAATTTTTTTTGTATTTTTAGTAG
AGACGGGATTTCACTGTATTAGCCAGGATGGTCTCAATCTCCTGACCTCATGATCCACCTGCCTTGGCCTC
CCAAAGTGCTGGGATTACAGGCATGAGCCACTGCGCCCAGCCGAGTCATTTTTTTAATACTACTGCATGTGA
GTTAACACAATCATTCCCAAATTGAAGTTTTAGATGGGCCCTCAAAATTTTTAGGATATGGTTTTCCTACA
GGTTTATATTGAAAGTATGGGGTATCTCCTATTACTCCTCTTTTTATTTGTCTTAAAGGAGAAAGGGAGAG
GCCAGAGACCAAATGTCCCCATTTCCCTATAGCTAATCTCTCTGGAAGACAAGCAGCCCAGACCTGAGCTT
CTAGATGGATACAACCAGGTGCATGTCCGAGGCACAGAGGAGGGTATTTATAACCCATAGTAACATTAAAT
GCAGTGCCTTCTTCTCCTGGTTGAGCAGGGCAATGGTCATCTATAGCTCCAGGCATCTACNANACTATCGT
TAGTGTAGATTTCCGCAGGAGCATTCATCCAGGTGAN
Table3 4567
GGGAGTCGACCCACGCGTCCGCGGGATCTGTCCGAGCAGGAAGCCAGCCTCAGCCCGGCCGCTGT
CGCCGCCCTGTCCTGGTGCCCGTCCGCGTCGTCGCCCTCTTCACTGGCCCTCATCACTTCTCACCGCGCCC
TCCAGCTTCACCCGTACAGGTAGCCCCGCCGCCGCGCACCTGCCTTCGCTCCCGCACCGGTGACAGTGGAT

Table 6
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AGTGGAAACAGGAGATCGTGGATCCTCCTTCAAAAATGGAGGATGGAAAGCCCGTTTGGGCGCCACACCCT
ACAGATGGATTTCAGATGGGCAATATTGTGGATATTGGCCCCGACAGCTTAACAATTGAACCCTTGAATCA
GAAAGGCAAGACATTTTTGGCTCTCATAAACCAAGTGTTTCCTGCAGAAGAGGACAGTAAAAAAGATGTGG
AAGATAACTGTTCACTAATGTATTTAAATGAAGCCACACTGCTCCATAATATCAAAGTTCGATATAGTAAA
GACAGAATTTATACATATGTCGCCAACATTCTGATTGCAGTGAATCCATACTTTGACATACCTAAAATATA
TTCTTCAGAAGCAATAAAGTCATATCAAGGAAAATCTCTTGGGACAAGACCACCTCATGTCTTTGCAATTG
CTGATAAAGCTTTTCGAGACATGAAGGTGCTCAAGATGAGTCAGTCTATCATTGTATCTGGAGAATCAGGA
GCCGGCAAAACAGAAAATACAAAATTTGTTCTAAGATACCTGACTGAATCCTATGGAACAGGTCAAGATAT
TGATGACAGAATTGTTGAAGCTAACCCACTCCTAGAAGCCTTTGGAAATGCGAAGACTGTTCGCAACAATA
ATAGCAGTCGATTTGGGAAATTTGTAGAAATACATTTTAATGAAAAGAGCTCAGTTGTTGGAGGATTTGTT
TCACATTATCTCCTAGAGAAATCTAGGATCTGTGTTCAAGGCAAAGAGGAAAGAAATTATCATATCTTTTA
TAGGTTGTGTGCTGGTGCTTCTGAAGATATTAGAGAAAAACTTCATTTGAGTTCACCAGATAATTTTCGGT
ATTTAAACCGAGGCTGCACTAGATACTTTGCTAACAAAGAAACTGACAAACAGATTTTACAGAACCGCAAA
AGTCCTGAGTACCTTAAGGCAGGTTCTATGAAAGATCCTCTGCTAGATGACCATGGTGATTTTATTAGAAT
GTGCACGGCTATGAAAAAAATTGGTTTGGATGATGAAGAAAAGCTTGATCTCTTCCGGGTAGTAGCTGGCG
TCCTGCACCTTGGAAATATTGATTTTGAGGAAGCTGGCAGCACTTCAGGTGGTTGTAATCTGAAGAATAAA
TCTGCTCAGTCTTTGGAATATTGTGCTGAATTACTGGGTTTGGACCAAGATGATCTTCGAGTAAGTTTGAC
CACAAGAGTCATGCTAACAACAGCAGGGGGCACCAAAGGAACAGTTATAAAGGTACCTCTGAAAGTGGAGC
AAGCAAACAATGCTCGTGATGCCCTGGCAAAGACAGTGTATAGCCATCTTTTTGATCATGTGGTAAACAGA
GTAAATCAGTGTTTTCCTTTTGAAACATCATCCTATTTTATTGGAGTCCTAGATATTGCTGGTTTTGAGTA
CTTTGAGCATAACAGTTTTGAACAATTTTGCATCAACTATTGCAATGAAAAACTTCAACAATTTTTTAATG
AAAGGATTCTGAAGGAGGAACAAGAACTCTATCAAAAAGAAGGTTTAGGTGTTAATGAAGTGCATTATGTG
GATAATCAGGACTGTATAGATTTAATTGAAGCCAAATTAGTGGGAATACTGGATATTTTGGATGAAGAAAA
TCGCCTTCCCCAGCCAAGTGATCAACACTTTACATCTGCAGTTCACCAAAAGCACAAGGATCATTTTCGAC
TCACTATTCCCAGAAAATCTAAGCTGGCAGTTCATAGGAATATCAGAGACGACGAAGGCTTCATTATCAGG
CATTTTGCGGGGGCAGTGTGCTATGAAACAACCCAGTTTGTGGAGAAAAATAATGATGCTTTACATATGTC
TCTTGAATCCTTAATATGTGAATCCAGAGATAAGTTTATACGGGAATTATTTGAATCATCCACAAATAACA
ACAAAGATACTAAACAAAAAGCAGGAAAACTTAGCTTCATCAGCGTGGGAAACAAGTTTAAGACACAGTTA
AATTTGCTTCTGGATAAACTTCGAAGTACTGGAGCAAGCTTTATTCGTTGCATCAAACCTAACTTAAAGAT
GACAAGCCACCACTTTGAAGGTGCTCAAATTCTGTCTCAGCTTCAGTGTTCAGGGATGGTGTCTGTTTTGG
ACTTGATGCAGGGTGGTTACCCATCACGAGCTTCATTTCATGAACTCTACAACATGTACAAAAAGTATATG
CCAGATAAACTTGCAAGATTGGATCCAAGACTATTTTGTAAGGCTTTGTTTAAAGCTTTGGGCTTAAATGA
AAATGACTACAAGTTTGGGTTAACCAAAGTATTTTTTAGACCTGGCAAGTTTGCAGAATTTGATCAGATCA
TGAAGTCTGACCCTGACCACTTAGCAGAGTTGGTTAAAAGAGTCAATCACTGGCTCACATGCAGTCGCTGG
AAGAAAGTTCAGTGGTGCTCACTCTCAGTCATCAAATTGAAAAACAAAATAAAATATCGAGCTGAAGCCTG
CATTAAAATGCAAAAAACTATTCGAATGTGGCTTTGCAAGAGGAGACACAAACCTCGCATTGATGGTCTGG
TTAAGGTGGGCACACTGAAAAAACGACTTGATAAATTTAATGAGGTAGTCAGTGTGTTGAAAGATGGAAAA
CCCGAGATGAATAAACAGATCAAGAATCTGGAAATTTCTATTGATACTTTGATGGCCAAAATTAAGTCCAC
TATGATGACGCAGGAACAAATCCAGAAAGAATATGATGCACTGGTTAAAAGCTCAGAGGAACTCCTCAGTG
CATTACAGAAAAAAAAACAGCAGGAAGAGGAAGCAGAAAGGCTGAGGCGTATTCAAGAAGAAATGGAAAAG
GAAAGAAAAAGACGTGAAGAAGACGAAAAACGTCGAAGAAAGGAAGAGGAGGAAAGGCGGATGAAACTTGA
GATGGAAGCAAAGAGAAAACAAGAAGAAGAGAAAGAAAAGGGAAGATGATGAAAAACGCATTCAAG
CTGAAGTGGAGGCACAGCTGGCCCGACAGAAGGAGGAGGAATCCCAACAGCAAGCAGTTCTGGAGCAGGAG
CGCAGGGACCGGGAGCTGGCCCTGAGGATTGCCCAGAGTGAAGCCGAGCTCATCAGTGATGAGGCCCAGGC
CGACCTGGCGCTGCGGAGAAATGATGGAACAAGACCCAAAATGACACCGGAACAAATGGCCAAAGAAATGT
CAGAATTTTTGAGTAGAGGTCCTGCTGTACTAGCCACCAAAGCAGCTGCTGGTACTAAGAAATATGATCTT
AGTAAATGGAAATATGCAGAACTACGTGATACCATCAATACTTCTTGTGATATTGAGCTCCTGGCAGCTTG
CAGAGAAGAATTTCATAGGAGACTAAAAGTGTATCATGCTTGGAAATCTAAGAACAAGAAGAGAAATACTG
AAACAGAGCAACGTGCTCCAAAGTCTGTTACTGATTATGATTTTGCACCATTTTTGAACAATTCACCTCAG
CAAAACCCAGCAGCTCAGATTCCTGCCAGGCAGCGGGAGATTGAAATGAACCGACAGCAACGCTTCTTCCG
CATCCCATTCATCCGCCCTGCCGACCAGTACAAAGACCCTCAGAGTAAGAAAAAAGGCTGGTGGTATGCCC
ATTTTGATGGACCATGGATTGCCCGGCAAATGGAACTCCATCCTGACAAGCCACCCATCCTACTTGTGGCT
GGTAAGGACGACATGGAGATGTGTGAGCTGAATCTTGAGGAGACTGGCCTGACTCGGAAGCGTGGTGCTGA
GATCTTGCCAAGACAGTTTGAAGAAATCTGGGAACGCTGTGGAGGCATCCAGTACCTTCAGAATGCGATTG
AGAGCAGACAGGCTCGGCCCACCTATGCAACAGCCATGCTGCAGAGTCTGTTAAAGTAGATGTTGCACACC
AGCCTTACAGCTGGGAGCCTTTGCCATGGTACTTAGGTAGGGTGTGTGCCCCCAGATTTAACCATTCCATA
ATCATGTTAGAGTTACTTCTATAAAGTGAACAGATTTTATTAATCACGGCTTTTGGTGAATTTGTTTAAGG
TTAATTATGGTAGCAAATTTTGGACCTAAACATTATTTTTCTGTATCCCGCTGTAATTCCCAAAACTCTCA
TTATTCTCTAACTATTACACATGGGCATATTCTGATGTTTCTCATCCTTTGCCAGAAGACTACCTTACATC
CATCGTAATTGTTCTCTAGGAAAAGAGAACTTTTTTCAAAATTCAAAATACTTCTTAAGGATGGCACAGTA
CCATATAACTGGAGTAATAAAACATGAGCTTACATTCTTACAATAACTAAACCACTTAAAATGATCAAGGC
ACTAATGTTTTGGTCTGAAAAGCTGTGTACTTTATAGACATTTTCAGACATTTTTGGAAATTTCCATTAAA
GGTGGAAAATCTATTTTTTTCCTCCTTTGCAGTGTCTTAGTTTGAATGAAACACTTCGAAGTTCTAGAATT
CTAGAAAGAGCCTTAATGTATTTGATGTATTCTGTGATAAGAGGTACTAATAGTATCCAGCACAGATTTGC

Table 6
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TTTTCTTTGCTAGCACAATGTGTGTTGCTGTCAGAATATTCTTTTTATATTCTGTGGAAAAATAAAGGAAA
TTCAGATTGTTTAAATGCCTAAAAGTTTTGAGATAAGTTTTGTTTCAATTAGAAAAGGAAATAGGTTTTAG
GTGGCATAGTGGCTTAACTGGACTGAATTCAAATATTCTTTCAACTTCATCTCAATAGTGATTTTTGTATC
AGAATCTTGTCCAAGTTGTTTCATTGATTTAGTAAGTGTTCTGCTTCCAACATCTTTCTTTTTAAGAAATT
CCTAGTGTCTTTTTTGGCCTTTGAGGTTTTGGTAATTGTAGACCTGTTTCATAAGCTTTGTAATTCAGAAA
TCCTTGTATTTAGTAAGTGCTTGTTTTACATAACTGATAATTTTAAAATGTTTTCTTTGTGTGCTGTTAGT
ATTGATTCAAATGTCAGCAGCTTTAAGCCTAATATTTATGACTTTCACATTTGGAATTTAAAGACAAAAAT
ACATCAAGGAGTTATGCTGACATAATTCTAAGGAGTTTTGTTGTATTTTAGAATAAAATTATAAAGTAAAA
TGATTCTCTGTACTGCTTTTTCCCCCAGTTTTTAGAGACCCTAACCTTTGAAATGAAATTCCAGTGATTTC
TTTTTTCCCTAGAAAGATTACCTCAGTTAGGGAAGTATTTCCCAGCTGACTAGTGTTTGTGAGCCACAGAC
ACTGTCTTCAGAATTGCTTCTCTCATGTCTTAGTAGAGAAATATTTATTTATTATGATACATTCAAATGAT
TGTCAAGTTAAATTAAATGGTTGTGTCTGTGCTATTGAGAATGCAAATGTGATTATCTTTTGAAGGCTGTA
TTACTGCATAGCTTCACCCACCCTCGGGTCATTTCGTCCCTGTGATTGGGGACAGAAGGTGTAGCTACTGA
AGTAAATGACCTATTCTCTCTCTTCCATCTCTCGCCTTTAACTGGTGTTTTTATTTGTGTAGGATAGTGAA
TGATAAGCTTTTTTCCTAACCAGTAGTGAGTAAAGTTCTTGAACAAAATTTAGTAGCCAAATTGTTTTTTA
ATGACATGTCTCTTTAGTACAATAGTTTTGTGTATCTTTTAGATACATTAATAGGCACTAGATGGAAAATT
AAAGAGTTAAACATATTTAAATGAGAGAATCTAATGTTTCAGAAATTTGTAAGAAATGTATCACAGCAAAG
GGTTGTTATAAGTCCTTAGTTTTTGACTCTAATAGTTAATACAATTATAGTTAATCTTAAGCCATAATGTT
TCTAATCATGTCACACAGCTGTCCTAGAACTTATCTATTTAAAATAGTTTCCTGAGTTAATTTTGGCCAGC
AGGGCAACTGCCCTAATTCAGATAGATTTACAGTAACCTACGTACAGTAGATGCACATACACACAGACACC
CCTTTGCTGGAGAAACTTAGGACCCTGTCAGCCTTTTAAAGGAAACAGCAGGAGTGGTGTCCTAAATGATG
TTCATGCAGCTGCTTTACCATGTTCACAGTCAAGCCCATGCATGCCAGGTTAAAACTGTGGAAATCAAAAG
TAAATTCACTCATATTTTAATCATTTTAACTGAGATTTAAAATTAGAAGTTTAAACCACTATATATAAAGA
ACTAATCTTTTCTTAATACCAGTTCTTTCCATAGCATATGCTTTGCAAAGGCAGCATGCATAAAATATTTA
AAATGAGAGGACAGAATGTTTTCACATTTGATTCAATTTTAATATAATTCCTAATTGTGGTAACACAGTTG
AGATATGTATTATGAGTTATGGGAACTAATTGAGAAAAGGAAGTTACTCTAATCCACGTATGTTAAGAGAA
TATTGAGTTTTCTTAGTTGTAAAGTTGGGGAGATGGCACCTTCTCAGAGGATTGTGAAAATATGAGGAAGA
AACAAAACAGTGCATGTAGGAGCACAGGGCCACACAAAGGCATTCTATTGTTATGCTCATTCTGCTTCTGT
AATGACTTTTCATAGGTCATTCTTGTGAACCATTTTGTTTTGCAAGCAACCAAGGAAAGAACATCTTAAGT
GGAAAATCAGTGGTGGTTGTGAACACTTAGAGAATAGCAATCCACAGGCAAGAATAATGGTATTGTTTGTA
GAGCTTTATTAATTGGATATTTTTTAAAAGACATTTTCATTCACAGGTCATTACTATGGTTCTCAGCGATC
CAAATATGTAGATCATTGGTTTTTTTTTTACCTGAAGTAGCTTAAGAGTACTTGGATCAGTAGAATAAATA
TTTATTGAATCAATCAGTCAGCCAATTAATATGATGTTAGTGATAGACCTGCCTCCTTTTATGGAAGAGGT
AACAGATCCAGAGAGGTCAAGTAATTTAGTTGTAGACTGAAAAATATATCAAAGCCTTTGCTGCAATCATA
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TTTAAAATTTCTCCCAGAAGATAAACTAACAAGGATGGAAGGGGAGGGCAAAGGATATCTAAACATGAGAA
TAAGGACATGTTAGAGGGGGGGAAACAGTTGTAACAATAAGGAAAGAGAAGAGCAACAGTGGAAGAGACAG
GTTGTGTGCCCCTAAAGATTCTGCACCCCCAGTTTGGAAACACTGATACATTTTAGGACACAGAGCACTCC
TAGATCTCTACGAAATTTTAGAATGAATAATGTGTAATTTATAGGATCAGAACGTATGGTTATTAAAACTT
GGATCAAGATATGCCCGGTGTATACATTCTTAGCACATAGGAATGGCACTGCCATACTGGAGAAGGTCAGC
AGTAAATAGGCATTCTGTACATAAGCCTCATGGAAGGGTAAGATGGAGAGACTGGCAGAAGTAGCACCTAC
TCTGCTGGGAGCACTTCTCTGAGTACGCTTTAGTTCAATTCAAATCACTGTATTCTTTCCCCATTGCTAAC
CTAATATATGAAACAAGCTTAGCTGTCTCAGaAGTTTTTCAAGAGATGATCAGGAAAAATTAATGCACATT
CAAAAggGGAATCTTCAGTAcAAATTTgttTTTTTAAAAATagatTtaagGCTGGGCGtggtgGCTCAcgc
ctgtaatcccaGCACttTgggaggccgaggcgggtgga

Table3 4568

NGCATATGGCTTTCTAAATTCCCCAGTAACACATGGCAGCTTTTCAATGCACTAAATCTCCAAAG
AATCTTTCTTCNCAGGTTGCAGCATATCTTTTGTGTGCCTTAACAGTAATCTTTTGCTTCAGGTGACGGTG
GTTTGTTCATTTGCCTTTCAATGTTTTCAAAGAATGCCCTCTGTATAGCCACTTTTCTGCCTTGAGAAAGT
CTTGAGTTAGGTGAAAGTAAGGCAAGTGTCTTTTGTCAGGCCTGAAGGTTGTCCCCAGATAAGTCAAAACA
GACAAACACAGTTCTTTGAAAATAAGATCTGCTCTGCCTTCTGTAGAACTGGAGTCCCACGCTGGAAATGT
GGGCTGCCATTGTCAAGATTGCCACTAAATCAGGGAGGGCATTGGGGCAAGGGCAAGTAAAAATGCCACCA
AAATTTCATGTTTCCTCTTTCTTGAGCCACTATTTACTTAGTTGCTGTAAACCTTTGACTATTTTCCAGCG
TTCAGATGAAGTTAATTCTGATAGTTTCTTCTCATTTTTTTGTTTGTGTGTTTTTCTGGAGGGAAGGGCCA
TTGGTACTCTGCTGTCTTTGCTGACATTACTCCCGTGGGTGATTTTTTTGAAGAATAAATTTGATAGAAGA
GTTTCTGAGTTTTTGTCTTATTAGGTTGAAAGCTATCTCTTCTTGAGAATGCTGGTGTATGTGGCTGGTAA
CAGCTTGCCATTTTTGTTTAGTTGCTTTTACTTTCCTGCTCTGGTAATTGGAGAGCTGTTTCAAGGCAGTT
TATGCCTTTATTGGTGATACAACAAGCAGTGGGTAAAATCTTCATCCTTTGGACTTCTTGGTTGCTCATTA
GTGGATACTGTGTTTCCCTTTCCACAGGCTTCCAGGTCTGGAGTTGTTCTGCGAACCTTACCAGCTTTCTA
GAGTGAATAATGCCTCGATTTAGTCTCTTTATTCTGTTCTTACTCCACGTAGGCAGGGTTGATCTCTCCCC
AACTCTTCACTGGGGCTCCCGGACGCGTGGGTCGACNN

Table3 4569

NAACAAGTACATGTAAATGAAAATATAGGTACCCCTGAGCCTGGAGAGCACCAAGAGGCCAAGAA

Table 6
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ATCATGAGAACTCATCAAATGAGGAGGAAACGTCAAGTGAGATATCCTCAGACTCCACCAAAGAGTCAAGA
CCTCCAGATTTCATTAGTATTTCTGCTAGCAAGAACATTTCTGGTGAGACACCAGAGGGTATAAAAGCAGA
ACCATTGACCCCTATGGAAGATGCACTACCACCCAGCCTATCAGGACAGGCCAAGCCTGAGGGCAGTGACT
GTCACAGAAAAATAGAAACTTGTGGTTCCAGGAAATCCGAGAGGTCTTGCAAAGGTGCTCTTTATAAAACC
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AAACTCCTCTGATCATGAAGGGTGTTGGAATGAAGAAAGCTGGACATTTAGTCACGAGTGGGACCACGTGG
GGAGCAAGAAGTTCAAGAAGACCAAGCCAAAAGAAGACTGTCTCCTTGGCTCCGCAAAGCTGGATGAAGAA
TTTGAAAAAAAATTCAACAGCCTCCCTCAATATAGTCCTGTTACATTTGACCGGAAATGTGTACCTGTCCC
AAGAAAAAAGAAGAAGACTGGAAATGTGTCCTCAGAACCGACTAAAACCAGCAAAGGTCCTTTCCAGTCTC
AGAAAAAGAACTTATTCCACAAAATTGTCAGCAAATATAAGCACAAAAAGGAGAAGCCCAATGTTCCGGAA
AAAGGAAGTGGGGATAAATGGTCAAACAAGCAACTCTTCTTGGATGCCATTCACCCTACAGAAGCCATATT
TTCAGAAGACAGAAACACCATGGAGCCTGTTCATAAGGTTAAAAATATCCCATCCATTTTCAACACTCCAG
AGCCAACAACAACGCAAGAACCTTTGGTGGGCAGCCAAAAGAGAAAAGCAAGGAAAACCAAGATTACACAC
CTTGTCAGGACAGCAGATGGCCGGGTATCACCAGCAGGAGGTACTTTGGATGACAAACCAAAGGAACAACT
GCAGAGGAGTCTCCCTAAAGCAACTGAGACAGACTGCAATGACAAATGCTCACACAACACCGAGGTCGGGG
AGACGCGGAGCAGTAN
Table3 4570
CGCtcacACTCCTAACCAAAAGTGATCCACCCACCTCGGCCTCTCAAAGTTCTGGGATTACAGGC
ATGAGCCACCGCGCCTGCCCTCCCCTAACTCTAGAAACTTCTGAACTGTATGTATTTCTACTTAAATGTCC
CATTCTTTTCCCTACACCTTGACTTTGCATAGATTGCTATTTACCAACCAATAATTTTTCTAGTCAATTTC
ACAATGAAAATCTCCTTAATCTTCTTAAAGTTAATAACTTTTTTCTTATACTATTCCCAGATTATGTTCAT
AACTCTATTGTAAACTTCATCAGAGTGCCTTATTTTCATGTCTCTCACCCACCAAACTATACCTTTCTTGA
GGGCAGAAATTGTGCCACCAAAAGGCAGATCCAAATACAGTCTGCAATGAAGTGTGAATAAAATTTAAAAA
CAAAAATTACTTTTAGATCAAAAAATGTTTTAGATGCTTTCTATAAATATTTTTTTAAAAATCACCTGCAG
TTGGTTCTATAGTGAGATATAAAACTGAACAACATTCCAAAATCTTAATTTTTTCTTAAAAAAAATTTCCC
TGGTAGTTAACAAGTATTTTTTATTTGTACTCACTGTAATTTTCTCTGATTAAGTGTTATTTGGTCACACT
TCTCACTTGGCTTTCAAGCCTGCTTTCAATTTATAAGAACAGGAGAAAAAAGAATGCTATAGCAAGTATTT
AAATGTAGCAGTTATAGTATAAGAGAATTTTTAAGGAAAAGGGTGATACAGTGATATGTTTTTTTCTGCTT
AAAACATCACTGTCAGTATATTTTTGGATCTTGAAAGATCTCTTGTGTTTATGGCTTGGGGCCTGCTTGCT
AGGCTTGACTTCAGTACTGTTTACTAAATTATAGCACTGCAATAAGACATTTCACCAATATGATATTGAAG
CATAACAAGTTATTTCATAAGGAATGGTAATTATCTAACATTCTAAGCAAATTTGGCAGTGTGACTTGGTG
GGGCGCAGTGCTGTCCCTGACACAATGACAGCCTTACTCTCTAAATTAGTAACTTCCGTAGGAGACCCCAG
AAGCACACCTCCCTCCCAGCAGTGAAAGCCGAGGATTCCCGTTTTGATTAGCAGGCGCCTTCTGTTCACGA
TAAAGGGATAAGAATCAGGCAGTGATGGCAGCGGAGTTCATGCTTCATTAAGGCAGGCATTGCAAACTAGT
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AATTTCCATAGTCACAGTTAGGTAGCTTTAGGGCAATATTGCCATGGTTTTACTCATGTGCAGGTTTTGAA
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tACGTTTGAAATAGTTGATCTAcaaaggccatggcaaaaattcaGAGAgttcgggaggaaaaccaatagct
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ggcctggggaatattataaccattggaggcgggggtataccccaacttaggatgtgggagcgagaaacata
gagactaagaagaagctaaaaaattgggaaccccctttttaacagtatttagcacttattttgttaa
Table3 4573
cggaagtcttCTAGAATTAATTAACGCGGGGGCGCAGCTCTTAGTCGCGGGCTGACTGGTGTTTA
TCCGTCACTCGCCGAGGTTCCTTGGGTCATGGTGCCAGCCTGACTGAGAAGAGGACGCTCCCGGGAGACGA
ATGAGGAACCACCTCCTCCTACTGTTCAAGTACAGGGGCCTGGTCCGCAAAGGGAAGAAAAGCAAAAGACG
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GCTGGCTAAATATGAATACATGGAAGAACAAGTAATCTTAACTGAAAAAGATCTGCTAGAAGATGGTTTTG
GAGAGCACCCCTTTTACCACTGCCTGGTTGCAGAAGTGCCGAAAGAGCACTGGACTCCGGAAGGTAACCCC
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TACACAGGCCGAAGTTACTGAGAACTTGGACAGAAAAAATAGCCAGCAAGTGTTCAAACTACTGAGGAAAA
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TGCTGTGGAGACTCGGAAGTGTTTAAGCTGCTTAAGTAAGTATAAGTGCTGTGGAGACCCGGAAGAGTTAG
ATATAATGTCATTTGTTGTAATTCAGTTTCATAAAATGGTTCTTGTTTGACCCTAACGTAACAGTTTTTGT

Table 6
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AATTGTGTTAAATCACATTTTTTTCTTTAATTTGTCCCAATCTTCAGGTTACAGTCTCTAGCTTCGCCATG
TACATGGCCCTTCCGTGTACATGGATGGGCGGGGAGGTAACTAAAAGATCCTTTACACAATAAAGTAGATG
ATCATGATAAATGAGGTAAGGTCCTATTATCACACACTTCAAACACGGTAGATCAGAAACCCACTATGATA
CTCGCTTCCTGTCTGTTTGCTAAGGAATATAAAATGGCTAGAAAGTTTAATTTGAAACCTTTGCCTCCATT
TGGAATAGTAGACACCAGTTAAGAGGGTGTCAGATGCCTTTTTTTTTTTTTTTTTTGGCTGGTCCCTGTTG
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TCAGGCTGGAAGAAATGAGCAGAAAACAAGGGATGAGTACTTTTTAGAGTATGTGCATGTTACGTAATACC
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TCTGAAGAGAGTTCAGAGTTATAAATGCTTACAATGACTTTTTAAATTGTACTCTTTCTTTTTAGGCTTTG
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cttccga
Table3 4574
NNNNNNNNACTCTTGGAGCTTGGCCATGTTAGTCTTAAAAAGCCCCGGAGAAAGGACCCTTCTGA
TTGGCTTTCAGGACTTATCTAACTTGCTAAGTAAAGCCTCTTTGAAAGTTTCTTATGTGTACCTCCTCCCC
ACTACCTAGCTCTAGCTTCTGTCCAACCTGGCCTATTTTCCATCCTTCAAAACAAACCCCAATGTGTATGG
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ATAATAAAATCTAGTTATAAAGATTATATACCATTGTCACTAGTAAGAAGTGGCACTCTTATTTACAAAAC
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GCCAGAGGATTGGCCAGGAGTTCGAGACCAACCTGGGCAACATAGACAAAATTAGCTTGGTGTAGTGGTGT
GCGCCTGTAGTCCCAACTACTCAGGAGGTTGAGGTTGGAGGATTGCTTGAGCCCAAGATTTTGAGGTTACA
GTGAGCTGTGATCACATCACTGCGCTCCACAAGGCAACAGAGTGAGACTCTCN
Table3 4576
NNNNNNNNNCAATTAGTATATTCTTCTTGTACCTTCCAGTATACACTCTATTTAATACCAGAACCC
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GAATGAACAAAATCACCCAAATCTCTGCCCTCCCAATTTTCTGGTATGGAGAGAAAGTTCTTTTGTAGATA
GGGATGAGAATCCCACAGAAAACTCAGGAGTGATGTAACAATGCAAATGCTCACAAAATCTCTTTCCTCAT
CTTTCATTCCCTATTTGGAAGGAAAGGTTTCAAAGACATTGGATGTTGGTATAAATGACCATCTTCCTTCC
ATTATTTTATAAACATTTGTCCTGGTGCAGGGGTAAAAACAACTGGGGACTGCCATTACAAATTATACCTA
TTGAGAGTTGGGTAAAGAGTTACCATTGGATCCAGTCCACCAACCCAAATGTTTTTCTACATGTATT
Table3 4578
NNCGACCCACGCGTCCGCCATGGATGACAACAAAAGTGAGTTGGCTTCTCAAGAACTTTTACCAG
TAGCCTGTTTTGCTACAATTCTAGACCCAGACTGGGGTCCCAAGGCATCATAGCCCACAGCTTCTTAGCAA
GTGCATGTTCAGTTGGATCCCCCAGCTCAGCCTGGGTCATCCCCACGTTCTGCCTCTTGGGCCATACATAG
CTCAGCTCTGTACTGAGCCATCATCCCATGGTGAGCAAGACCCCATTCTTGGTCTTCAGTCTCTTTCCCTG
CAGCATGCAATCAAGGTGGTGGCTGGAAGGGGCCAAGGAGCCACATGTCACAGTGCCCTGCTGCCTGAACA
AGGACCAGAGGCCTGTGGAACACATGGCTCTCAGATTTCTCCCATTTGATGACTCATCAGCTGCCCCCACA
TGGCTTTCTAGCTCACAGCAGATCTAGCCTTCTCTGAGCAGTGAAGATGGGATGTTTTATGGTCATTTTCC
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Table 6
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GGTGTCTGCGGGGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGATGTGTGTTTACTTGGAAT
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GCTGGCTTAAGGGTCCTGGGGCCTCGCTGTGTCATATTTGCACAAGCCTAGTGTCTGTGCAGACTGTACAC
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ACTTTGTGGCACAGATGGAAATTTCCAGGTTCTCTAGGTGGTAGGCAGAGGCCTCACTTTTTAAGAAACTC
CCCCACTCCACCCCTGCCAATGAGGACATTGCTTAGAGGTATTTCTATCAGTGTTGAGTAGAAGAGATCAT
TTCTTGGTGTTGAATTTCAGGTAAGGATGCCAGCTTCTGCATATCAGGGTGGTGATGTTTGGGCTGCGACA
GGTCTAGACAGCAGTCTGAAAGGGGGCTCAAGGAAGTAGCTGTGAAAGGCCCCTGGGATGTTTTCTGCTCC
CCTTTCTGCAAATCCCCTGGAGGGAGATCCTGTTAGTCACTACGGGATGTGTGTGTGTGTGTGTGTGTG
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GACTGCGCATTTGTGTTCATGTGGCCTTGGATGTTGGCAGATTCAGATTGGTGCCCCAGGCATCTGTGCTG
TAACTGCAGTTTCAGCGGGCTCAGGACCAGGCTAAAGGGCCTCCAAGCTTCCTCCAGTTTCCTGGTGCATG
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TTAACAGAGAAGATCCTTTTAAAAATATCTGTTACCGTGGCTGGAGTGCAGTGACGTGATCACGGCTCACT
GCAGCCACAACCTTCCAGCTACTCAGGAGGCTGAGGCAGAAGAATGGCATGAATCCGGGGGGCGGAGCTTG
CGCTGAGCCGAGATCAAGCCACTGCACTCCAGCCTGGGCAACAGAGCGAGACTCTGTCTCAAAAAAAAAAA
AAAAAAAAAAAAANNNNNNNNNN
Table3 4579
NNNACAGGAGTTCAATACCAGCNTGGCAAGAGATAGCAAGACCCTGCCTGTACAAAAAAAGAAAT
TTTAAATTATCTGGGTGTGGTGGCACACACCTGTAGTCCTAGCTACTCAGGAGGTTTAGGTGAGAGGATTG
CTTGAGTCCAGGAGTTGAAGGCTGCAGTGAGCTATGGTCATACCACTGCACTCCAGCCTGGGCAACAAACA
AGACCCTGCCTCTCAAAAAAAACAAAACAAAAATCTGACAAATAGGGTTGTTAACTGTGAGCCTGAGGAAA
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TGCTCATGATTGTGAGAGCACAGAAAGTTCTTTTGTTTTCTAGAATTAAGTCTGCTCACCTGGTTTGCATT
CTGCATCTGCCTTTCTTTAGTGCAGGGTAGTGTCAGTCCCACTGTGGCCCAAAGTTTGCATTCTGCGTTAA
CCAAGTCACAATTAATGAGGTTTTACTATAGGCACAAATGCTTAAAAAAGAAAAAAACGATTGTTTTGTGT
GGTTAAAATAAAAACTTGTGGGGATTTTAATGTATTTCTTTGGTGAAAATACATTAGTTGTTTGTCTCTAA
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GGAGATGGAGACCATCCTGGCTAACACGGTGAAACCCTGTCTCTACTAAAAATACAAAAAATTAGCTGGGT
GTGGTGGCACACACCTGTAATCCCAGCTATCCGTCNNNNNNNNNNN
Table3 4581
ACGCGGGTCTGCGCCACGCGTCCTGGCGACGCGGGGCCATGTGCAGGACCCTAACGACAGGCGCC
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TCCCGGCGCCTCTTACTAAAAAACTCAGATGACTGGCAGTTCTATCTGACTTATTTCGATTCTGTCTTTCG
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CAGAAAAAGCTGTGAAGTTTATAGAAGATCGGATAACGGAAGAATCTAAAAGTTCTCGCCATCTCCGAGGA
CCACATCTAGCTAAATTGGAGCTGATTAGGCGTTTACGAAGTCAAGGTTGTAACGATGAGTACAAACTGGG
TGATCCAGAAGAATTAATGTTCCAGTATTTTAAAAAGTTTGGCGATAAACCTTGTTGTTTTACAGACCTTA
AGGTGTTTGTTGACCTCTTACCTGCTACACAGTGTACAAAATTTATTAATCAGTTACTTGGAGTTGTTCCT
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AATTGATGTTAAGGTACCAGCATGGACTGGAATTTGGGAAAACCTGTTTGAAAACAGAATTGCAATTTTCT
GACTATTACTGTCTCCTTGCTGTCCATGCGCTTATTGATGTATGGAGGGAAACAGGTGATGAGACCACTGT
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Table 6
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TTGTTCGAATCTACTGTATGCTGGGTGCATTTGAACCAGTGGTGGATCTTTATCCCAGCTCGATGCTTAGC
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AAGGAGACACTCANNN
Table3 4582
ACTTCACTGATTTTTCTACTGCATCTTTACCACCTGAACTCTACATTATTCCTCCACATGTCTGT
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GGAAAGGGTGACGGCATGCCACGCAGCAGCAAGAGCGGGAGCGAGGCCTGAAAGAGTGAAAGTATTTGCCT
ACAATAGGAGGATGAGTGAGTAGGG
Table3 4583
ACTTGAAAAGAAAGCATCTGTGGCTGTGCCCAAAAAACCGGAAGCCCCACGTGCAAAAGTGCCTG
AAGCTGCTCAAGAAGTTGTCCCAGAAAAGAAAATTCCCAAGGCACCAATCAAAAAACCAGAAGCCCCCGCA
GTTACAGTGCCAGAAGTTCCTCAAGAAGCCACAGAAAAAGAAATTCCCGTGGCTCCACCCAAAAAAACCAG
AAGCTCCAATTGTCCCAGTGCCTGAAGCTCAAGAAGTTGTCCCAGAAAAGAAAGTTCCTAAGGCTCCTCCC
ACAAAACCAGAAGCCCCACCTGCCACAGTGCCTGAAGTCCCACAAGAAATTGTGCCAGAAAAGAAAACACT
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GGTGCCAAAGGCAGCTGTCCCAGAAAAGAAGGTGCCTGAAGCTATTCCTCCCAAACCGGAAAGTCCTCCCC
CTGCAAGTGCCTCAGCGTGCTGCCACCGAAGGAAGTGGTCCCAGAAAAGAAAGTACCGGTGCCTCCTGCCA
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Table3 4584
ctccACCGCGGTGGCGGCCGAGGTACTGAGGCTGTATACAGCCACAGCCTCTCCCCATCCCTCCA
GCCTTATCTGTCATCACCATCAACCCCTCCCATGCACCTAAACAAAATCTAACTTGTAATTCCTTGAACAT
GTCAGGCATACATTATTCCTTCTGCCTGAGAAGCTCTTCCTTGTCTCTTAAATCTAGAATGATGTAAAGTT
TTGAATAAGTTGACTATCTTACTTCATGCAAAGAAGGGACACATATGAGATTCATCATCACATGAGACAGC
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GTTTATGGGGCACGTTTGTAAGCCTGGGATGTGAAGCAAAGGCAGGGAACCTCATAGTATCTTATATAATA
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TtctctagCAGGT
Table3 4585
TCAGGTGTCATTAATGAAAATTCTGAAGAAATGCCACCGGACATAGCCAACGCACCTACGCTGTT
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GAAGAGGAGGCTGGCCTTTGCCCCACGGCCTTGGCTGCAGCACCATCACATGCCTCCACGCCTCTCCATCT
CCTCATGAAGATCTCTCTCCAGATAGAGACCATTTCCTCCCTAGAGGAATCCTTGT
Table3 4588
NNNNAATGGGGGTCCCCCCCGGGGGGGGCCCCCCTTTTTTTTTTTTTTTAAATTTTTTTTTTTTTT
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TGTTTATTTCTATGCCATAGTTGCCTCAGCACAATTTGTAAAAGAAAGGAATCCAAAAAAATGAATTTTTT
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GGGTGATGATTAGATAGTAGCTGAAGCGTGGGTATACAAATTTCTTGTTAATACAAATGCAACTCTTTTCT
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GATTCTTTCTTACAGTGGAAGTAGGCACCACCCCTCAGATCACGAGGCCCCTAGGAAGAAGCCTGTGGAAA
TCAGCCTGTGATGTGTGGTGGTGGGCCAGCACCTAGAAGACACATGGTGGTTGTGCACATAAATCCCTTCA
GCGGACTCAGTGGAAGGATGAGAATTCTGTAAGTTCATGCACATTTTATTGAGTAGTAATATAAAATGCTT

Table 6
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TTTCTTTTTCATTGTTACAAGTGCATGCTTTGATTGCCAACATGTCAGAAGTCAAATTACAAAGGCAAGGC
TTTAGGCTGTAGTGAATTACTTGGGCACTTATACAATTGTTAAAAAATATGAATGGACTTTTGTTGTTGTT
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CAAAATTTCAAAGGCATTAAGCATTTTAGAGAATATAAAGTACGCCAGTATACATACATTTCCAGTATATG
TCAGACCACTAAGCGCATTACAGTCCCATACAGGCCGATACAGCCATTTTTTTTTTCTTAAAAAACATGCA
TAGGCAGATTTTTGTTTTTTTTTTACAGAATATAGATGCTTCATCACGGTACTTAATAGGGTGTCTGGTCC
ACTATACNNNNN
Table3 4589
ctccACCGCGGTGGCGGCCGAGGTACTGAGGCTGTATACAGCCACAGCCTCTCCCCATCCCTCCA
GCCTTATCTGTCATCACCATCAACCCCTCCCATGCACCTAAACAAAATCTAACTTGTAATTCCTTGAACAT
GTCAGGCATACATTATTCCTTCTGCCTGAGAAGCTCTTCCTTGTCTCTTAAATCTAGAATGATGTAAAGTT
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AAGGTAACCTTTATCCATTTCATGGTGAGTGCGCTTTAGAATTTTGGCAAATCATACTGGTCACTTATCTC
AACTTTGAGATGTGTTTGTCCTTGTAGTTAATTGAAAGAAATAGGGCACTCTTGTGAGCCACTTTAGGGTT
CACTCCTGGCAATAAAGAATTTACAAAGAGCTACTCAGGACCAGTTGnnnnnnnnnnnnnnnnnnnnnnnn
nnnnnnnnnnnnnnCACATGTTTAAAAAATGTTTTTATGGGCTTCCTAGGTTATTTACAAAGCTGcttATC
TTTCAGGACAATAAAATCATAAGCGATGGAATTATCCTCTCTACCAGAGAGAAATCATTTGCATTCCTACT
GGAATGAAATCTACCACGTAACATGTAATTTTAGAGAGTCAGGACCTTAGTTAATGGTAAACAGTGAGTCA
TACAGAGCTGCACTCCTTTAAACCACCACCATCAAATGGAAGTATAATTTAAGCCACTATGTGATTTGAAA
TtctctagCAGGT
Table3 4590
ctccACCGCGGTGGCGGCCGAGGTACTGAGGCTGTATACAGCCACAGCCTCTCCCCATCCCTCCA
GCCTTATCTGTCATCACCATCAACCCCTCCCATGCACCTAAACAAAATCTAACTTGTAATTCCTTGAACAT
GTCAGGCATACATTATTCCTTCTGCCTGAGAAGCTCTTCCTTGTCTCTTAAATCTAGAATGATGTAAAGTT
TTGAATAAGTTGACTATCTTACTTCATGCAAAGAAGGGACACATATGAGATTCATCATCACATGAGACAGC
AAATACTAAAAGTGTAATTTGATTATAAGAGTTTAGATAAATATATGAAATGCAAGAGCCACAGAGGGAAT
GTTTATGGGGCACGTTTGTAAGCCTGGGATGTGAAGCAAAGGCAGGGAACCTCATAGTATCTTATATAATA
TACTTCATTTCTCTATCTCTATCACAATATCCAACAAGCTTTTCACAGAATTCATGCAGTGCAAATCCCCA
AAGGTAACCTTTATCCATTTCATGGTGAGTGCGCTTTAGAATTTTGGCAAATCATACTGGTCACTTATCTC
AACTTTGAGATGTGTTTGTCCTTGTAGTTAATTGAAAGAAATAGGGCACTCTTGTGAGCCACTTTAGGGTT
CACTCCTGGCAATAAAGAATTTACAAAGAGCTACTCAGGACCAGTTGnnnnnnnnnnnnnnnnnnnnnnnn
nnnnnnnnnnnnnnCACATGTTTAAAAAATGTTTTTATGGGCTTCCTAGGTTATTTACAAAGCTGcttATC
TTTCAGGACAATAAAATCATAAGCGATGGAATTATCCTCTCTACCAGAGAGAAATCATTTGCATTCCTACT
GGAATGAAATCTACCACGTAACATGTAATTTTAGAGAGTCAGGACCTTAGTTAATGGTAAACAGTGAGTCA
TACAGAGCTGCACTCCTTTAAACCACCACCATCAAATGGAAGTATAATTTAAGCCACTATGTGATTTGAAA
TtctctagCAGGT
Table3 4591
GTAGAGACAGGGTTTCACCATGTTAGCCAGGATGGTCTGGATCTCCTCTGACCTCATGATCCACC
CACCTCAGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCGCGCCTGGCCGGGTCAGGCTCTTTCTA
ATCTGTTTAAAACCATATCACCCAGAAGGTATTCAGTATATACTTATTTAAATGAATTGAAAGTCATATGA
GCAGCATGGACTTACTACTTTAAAAACCACATTATTAGAAACCTAACACCTTGGAAGCTCTGCATATTCTG
AATGAAGAATATACTAAACCACTCAGAGGGAAATAGTTATTAACCATTTTACCACAGACGACTAAACAACT
ACCATGGCCCTTCCCTTGTTTCAGCTGGTCTGGGTCTTAAAAAGACTTTGGAAAACCCAATCTACCCTCCT
CTAGCAGCAAATCAATTCCCACAGTCAGCCAGGAGGTTCTAACCACTGCCCTACCTCTTTCACCAAGGAAC
AAGCCCTAGATTTTTGCTGTTTCTAAAAATATGCAGCTTTTAAATATATCCATCATTTCGGTGCTCTCTAC
TGCAGAGCTTAATAAAAGCAAAGCCACTGAAATTCAGGAGATGCCACAGCTCAAAGT
Table3 4592
ACTCTTTCTCTTCATTTCTCAGCCGGCTGACACTTACAGAAAATAGAAAGAACGTGCGTTGAAAT
ATTAGGGGCAGGTTCCCCCAATATCTGGCGCCCAACGTGGTTTTCTTTTTCCTAAGTGCATGTGGGAACCC
GATTCCCTTTGGTAGGTGCGGAGAAATGTTCATCGGTCCAGTCCACAGAAATGCTTGTTCGGCTCCCCGAC
GATTGGTGAGTTGTCTGTGTATTGTCCGGGGTAACTATGGGTCACGCAGAGTCTAAACATTATGCTTATCT
CTGCTATATTAAATTCCTGTTAAAATGGGGGAGTTCGGGTTCCCATGGAAAATATGGTCACCCTATTCAGG
GCAGTGGAAGAACACTGTCCTTGGTTTCCTGAAAAGGGAACGTTAGATGTGGAACTATGGGATCATGTTGG
TGCAAAATTCCGAGAACTGGTCCCAACAGGAAATTATGTTCCTGTCACTGTTTGGGGTGATTGGGCCTTGG
TCATGCCCACNNNNNNN
Table3 4595
cGTccGAAAAatTagccaagCAGTAGTGGCGGGTGCCTGTAATCCCAGCAACTTGGGAGGCTGAG
GCAGGGGAATTGCTTGAGTTCAGGAGGCGGAGGTTGCAGTGAGCCAGGATTGCACCACTGCATCTCCAGCC

Table 6
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TGGGCGACAGAGCGAGACCCTGTCTCAAAAAAAAAAAAAAAGAAAGGAAATGGATTAAAGACCTAAATATA
AAAGCTAAAACTAATAAGACCTAGTAAGACCCACAGTGGGGGAAAAATAACTAAGAAGCACTTAGTGAAGC
CTGAAGTAGTTACCGTGAAGGATTTGTTGCTTGTTTTGGTTTGGTTCTAGGTTGGTGATGAACACCTTAGG
AAACAACACCGGGTGCTGGCAGATCTTCATTACAGCAAGGCCGCAAAGCTGTTTCAGCTGCTGAAAGATGC
TCCCTGCGAACTGCTTAGAGTACAGCTAGAGAGAGTAGCATTTGCTGAATTTCAGATGACcaGTCAGAATA
GCAATGTTGGAAAGTTGAAAACACTATCTGGGGCTCTTGATATAATGGtgagaactgagCACgcattccag
cttatccagaaggagcttatagaagaatttggccAGCCTAAGAGTGGTGACGCCGCTGCAGCTGCTGATGC
TTCTCCTAGTCTCAATCGAGAAGAAGTGATGAAACTCCTCAGTATATTTGAGTCTCGGTTGTCATTTCTTC
TCCTTCAGTCCATTAAACTGCTATCTTCAACTAAAAAGAAAACAAGGTAAATTAAGTGGTTATTTGTAGGA
ATTTCTTTCCTAGCACCCTACCTATAAAAATTTTCTCTACCAACATCATAAAGAAAAACTAGGGGCCAGGC
ACATTGGCTCACACCTGCAATCCCAGCACTTTGGGAGGCCAAGGCAGGCAGATCACTTGAGTTCAGGAGTT
CGAGACCAGCCCGGCCAACATGGC

Table3 4596

ACGCGGGGGGGGCAGTTTGACAGAGCTCTGTGCACACACCTCATGTGACCCAATTCAAACCTCTT
AATCTGATGACTGAATTCTTCTTCTTCTTCTTTTTCTTCTTCTTCTTCTTCTGTTTTTAAACTTTCTTCCA
GATGCCTGTGGTCTCTCTGATGTAGCCCATGTGGAAAGCTTGCAGGAAAAGTCTCAGTGTGCTTTGGAAGA
ATACGTTAGGAGCCAGT

Table3 4597

GCGTCCGCAGAATAAATATGGCCTGCAATAGTACACAGAGTGACACATGTCTGGGCAAAGACAAT
CGACTTCTGGAACATAACAGATCAGTGTTATCAGGTGACGACAGTACAGGAAGTGAGCCGCCACTATCACC
CCCAGAAAGGCTCCCCATCAGACGCTCTGGGACCAGAGACAAAAACAGAAGAGGGGAAACATGTTTCCTAC
TGACGACAGGTGATTACACGTGTGCTTCTGATGGAGGGATCAGGAAAGGATATGAAAAATCCCGAAGCTTA
AACAACATAGCGGGCTTGGCAGGCAATGCTCTGAGGCTCTCTCCAGTAACATCACCCTACAACTCTCCTTG
TCCTCTGAGGCGCTCTCGATCTCCCATCCCATCTATCTTGTAAACCAAACAACCAAACTGCATCAGTCGGC
TAAATTGTATTAATTCAAGTGCTGTTTACCCCATAATGGAAATAATTAAATGTAGAGTTACTCCAGGCTCC
ATTAATACAGTATAAATCTTGCATGATACTACAATTTGAAGTCAGAAATGCCACTTGGGTAGCTAATGAAT
CTTACCCAGGCTTTAAAGATTGTCTAAAGTAGTGCTAAGATCCCTCCTATTAATTGCCCTGATATCCTTTT
GCAATAAAATGACAGATAGTGTCAGATATTGACCAGTGCACTAATATATAAACATACCTTCAGGGAGATAT
ATTTAAAACAGTGTGCTTCCAAATGCCAACCACTTCATTGGAACTTTATTTCTTGTGACTGTAAACCATTC
TGAAGATGTCTGGGATCCTATCTTGATTGCACACGACATGACTTGTGTCAGCTCATTTGCATGGACCATCT
TGTCTCTATCACCTGAAAGCAATGTTGCAGAGTTCGGGGACTGTGGATAGCTCAGGATATGTGT

Table3 4599

NCATGAGCCTGTAAGGACAAATGGCATATTTGGGCATACCTGCTTGACTCTGTAACTACTTTTTT
ANAATCANAATTGAAAAGGTATTAATTGTTTCTGGCTTTTTAATTTTTTTTTTAGAGACAAAGATGAACCC
AGATAGGAAATACAGTTTTTATGTTTTCTACTTACTAAAATATTAGCTTCTTCTAAATATTACTTTATTTG
TATTTCACTAAATTCCAAAGCAAAAATCAGATATCTGAGATGAACAATTTTGAATGGGTTAAGGTAGGAGT
AATAAGCATTGTGTTCACTCATACATAGGTGAGGGAATTTTATTTATAGCGAGAAATATAAAAGTATTTTG
ACTTACTCTTTTTTCAAGGAGTCGCTAGGAAAGGGTAGAAGAACTGAGAATAAGACATCTAGATTCCATTT
CTGGTTTATATGTAGCTCTTTTGCCTAATTTATATATAATTTTGTCATAAGATAAGTCCAGTAACTGTCCT
GTCTTAGATAACGTACAGAGGCTGAAGTGACCAAAGATCCATTCCTTATTACTTTTCTAATTAAAAGAAGA
GTTAGCTAGATTTCTAGTAGTAGTATTCTAGATATTGATAAGACATTATTCCTAATGCCAACTACAAATAT
TCAACTACTCAGAATGTATTTAAAAAATTGTTTGGTACAGCATTAATGTTGGTGATTCCTTTCTCCCATCT
TATTTCCCTTCCCTTCTATTCTTTCCCATGTATTTCTTTTGCCTAAAAGAATATTGGTATGATTCTCATTT
GCTACTTTGAGTATATAACTCCATCAGACTTTCCAGAGTTCTTCAGGGATGGAGCTCAAAGTTTACATTTT
TCCATATATGTCTTTTTTTTTCTTGACCTTTTTCCACCCTGTAATTTCCCCTTGACTTACCCACTGCCCTC
CCCAATCTGCAACAGTGACAGTTTGCTGCCTCAAAACAGAGCATTCAAATGAATTCGCTTAGCCAATAACT
TCTGTGAAGTTGCCTTTTCTAATGGTGTTATTACTCAGTGATGCACAAATGTGGTATTTGCCCTACTGGTA
GGCAAACAAAGGTCTGGTTAAGAATGGTAACCTGCTGTTTTCTTTAAAGGAGAGCCAAAGACTTGTGCTTT
ACTCTGTTTTGGTTTTGGGGGAAGTAGTAGCCATTTTGATCATGAAACCTTTTAGTATTTGTGAGTTGATT
GTACTGTGTAAGTAGATTTATCTAAAGTTAACTGTTAAAGTTAGCTAGCCTTATAAAATGTAAAAGTAATG
AAAATTCATCAGTTTCTCTAAGCCAGTGAATGTCGTCTTTTGTAATATTGTGTATAAGCATTTGTGCCCAC
CCCAGCTTCTGCTATCACTGTGGTCAAGTCATGGGTCTGAGTAAAAGAATTCTTGAGTATGTGACTGGTGA
GAAATAACTAACTATAGTCAGTACATGTACAGATTGTTAAAATTCAAGACAAAATACTTTCACTAAAAAAA
AGGATTCGTCTCAGTAAAGAAGTATTCAGTTGCTGTCACTTACATACAAATGGTGGTGGGTAGCAGTCTCA
CCATTTTTCTACTCTCTTTTTGCTCGTTTTAAATAATTGAGTAAAGGTTTTATTTGTAAAATCTATCTGTA
AAAAGCACCTGTAACGATTTATATGTCATTGAAAGGAATGGCCCAGTTACTTTTTAGGAGAGATTAATAAC
CTACCTGGAAATTAACTGCAGTGTTTACTTAGATTTTTTCCCCCTAATAAGAGTCTAAGTGTGTTAAATTT
TTAACTGATGATATGGTTACAGTGTTGCAAGGTGATCTCTTCCCCTGAAAAATCTGCCTATCCTTTTAAGA
AAAATTAGACCTACTTAACTAAAGCAAATTTTACTTTCATCATTAGCACCTAAACAAGCAAGCAGTCTACT
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GTAGGTTGATTATAGTTACTATTAAACATTTTCTCAATTTAGCTTTTCTGAGCCACTTCAAGAAGAAAGCT
GTTTTTGTCAAAAGGTACTATTAATTGTAGCAAGTAAATCTTAAGATTTGAATTTTTAAGATTTTATTTCT
GTGTTCACTAAAGATCTTTCCACAAGTAATAGATTATAATTGATAAGTAATACTAGCTATAGTGTTAATAA

Table 6
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AGAGTAAGACTATCACCACCAGGAATAAGTAACACCTTTTAATAATAAATCTATTCCTAATAGGTATGTTT
TCAATACTGCACTGAACAAAGTGGGTAAAGAGCCCTTTGAAATCTTATTGTAATAAAGGGACTTACCTCAC
CACTGGAATCCTTGTTTTCAGAGCCTCTGGATTTTCAGCCAAACACTGAATTTCTCCTAAACTTTATCCCT
GAAACATCCCTAGAGAACGAACTTTATTTTCACAAGAAAATAAGGCACAATAAGGGGGAAGAACTTAAACC
TCAACATAATATCGTGTCCAAAAATGTGTATTTAGAAAAATAAAATCCTGTGGAGTTTGTTATCCTAATGT
TTATTTTATACTAGATAAGGTGACTTGTTTTCTTGTATTGAGGTCTTACTGTTTCAGATTTGTTTTTGTTT
CTGTTCTAACTCTAAGCAGACAGAGCTCACAAGTCTTTGGCATCCATTTTAGGTTGTACACTCAGAGTCAT
CTTATAACCTTGGAAACTGGTCCGGTGGTCCCCCACCCCAGCGAACGCTTTGAAGAGTCCAGACAAAGGAA
TGGAACCAAGCTATGGGGTGAATTAATGGGGGGGCCCAATTATAAATTATAAGTAATAATGGCGTTTTTAT
ATCCAGTGTATTGGTGTACATCTTTCTCGAGGATGGGGGGTCCTTAATAATTTGGAATATCCCATAAAATA
TTTCGGGGTAAGGATAAGGTTGGTAGGGTACTCCCTATACTAAGAGGTTGAGAATGTTTACAAGGTGGGAA
AGTAGAGTCCGGTAAATACACGGGGGAAAAGAAAAATACGGGATATGATATACTGTGGAGGGGTGTGACAT
TGGTGGGCAGAN

Table3 4600

NNNNNCCGCCCGGGCAGGTACCCCAGCTGATGATGTTCCACAAAAGAGCAAAACATACACAATCT
GGTTCCACTCTACAGAAATCCTGGAACTGGACTACAAAGGGAATAGACAGGGTGTGGCAGGAGGGGGTTCC
TCACGGTTGGAGTGCGAGGTTAGGGACAGGAATAGAAGGTAGGTAATAAACATTCATGTGGTATTAACTTA
GGGCAGATGTGTCAATATATTTCCAAGTTTAGCATAATATAGGTATAAAAATTAAATAAAAAGTTTATATG
TGTGTGTATATATGGGTTAATACACAACACATACCTCCTAGAGTCATTACCTGAGAGGTTCTACAAGAAAA
GACAGCAAATTAACAAAAAATACACCCAGAATCAAGATTTGAGTTTTGGTTCCTTTCATAGCAGAATGGTA
TGCAACATTTCTTGGAAAAATGGCTAATCCTAGGGCTTGGAAAGAGAATATAGGAGTAAAGTCTACAATTT
CTCATGGTACANN

Table3 4601

NNCGCATATTTGGCCTGGGCCCCTTGGGCGCCCGTGGCCCCTAACCTCTTGGGGTGTCACACGCC
GTTCCCCGCCGTTTTTTCTTGGTAGGAACCCCACACTATTCTGGCCCGGTTTTCTTGGGACACCGGTTATG
CAGTGTGTCCCTCACATATTGGGGCGCTCGCCCTCTACCAGAGGGTGTTTTAAAAGCCTTTCTTGGTGGCC
CAGCGCGGCCCCGAAACAAGTGTTGTTGTTTGTCTTTGTTTTTTTTTTCCTTTTTTTTTTTCAGGAGATGA
GGTCTTGCTATGTTGCCTAGGCTTAATTATTTACTTTTAATTAACCTAAACTTAAAAAGCTACATGTTGGT
GACATCAGCCAAAAAAAAAAAGTAAGGACCTCTGAAAATCATCTTCACAAAAAGAATGAAAACATGGACAA
AAATAGTCAAAATCAGCTTTTTCAGAACTTTGGAAATTAGCCAAAAGCTTATACACATAGCACTTATTCAA
GAAAAATAGCTGAATATCAGCAAGAACAGTTATCTTCATGGTGTTTTAATTTGCGCTGTACCCATCAGAAC
TGCATGATCAGCTGTATGGTAGCCTTGAAAACCAACAGGCCACAATCACAGTGAAAACCTCAGGTTGGCAG
CCACTGGAGGATACAAAATGAGTTTGGATCTCCTTCAATGCCCCATTCCCAGAGAACTGTCATTATTTGAC
CTGCTGGTAGTTCCCTAAAGGACGTGCAAGGATGTTTTTATTTGACTGGACACTTGAAGCTTGCCCTGTAT
GAACAGCCCCCATCTTCCCATGCTTGTCAAAAATCAGAGGCAACTAACACTGCGGCTTCCTGAGAGTCTCA
CTCTGTCACCCAGGCTGGAGAGCAATTGCACAAACACTTGGCTCACTGCAGCCTCAACTTCTTGTCCTCAA
GTGATCCTCCCACCTTAGCCTCCTAAGTAGCTGGGACCACAGGTAAGCACCACCATGCCCTACTANNNNNN
NNNNNNNNNNNNNN

Table3 4602

NNNNCCGAATTTCTTATTTAGTTTCTTGTATTTTGCCTACTCCCTCCCTTCTCCATGATTCAGCC
TAGTCTTTCCGTCCTCTGTGGACTTGGGTGTGCCTTCCTCTGGGCCACCTCGTCTTTTGCTGCTGTTAGCC
CTCCCGCCTGCGCACCTGCCACTTCACCCTCGCCTGTGGTCCACTTACGTTCCACTCAGCCCGGTCAGTCC
TGCTTTGTTCTTCTCCACCGCCTTGGTCTCCCGTGTGTCTTATCTAGCTCTGGTTCCTTCTCGTCTCCACA
TTTATTTTGTTTTCTTCCTGTGCTTGTTAGTCCTTGTGCACTTGGTCCTTGAGCTCTTTTTCTATTAATAG
GTATTACTAGATGGATTTGTTGTCTGCCTTTACATAGAACACACATCCTTACTGTGCATTTCCTGGGTAGC
CAGGATGAATCAATTATTATTAACTTCCCTTCGAACATTGAGCTTCCTCTGTTTTCTGTTTCTAAGAATTA
GATTAGTATTCTAGAAGACTAATACTACTTTAAAGACAGTCAAAACAGTCATACGCTGCCATTTCAGCCCT
TTATTTAAGAGTTTGTGACATTTATCACTCCCTTGAAAGATTAAAGAACACCCAAAGCAAGTTTGGGGTGG
AGGTGGGGAAGGCAGGAAGAGAAAGGTAAGTGCTATAAAAGGACTCATTGTTAATTTCTAGAAATTGGACT
GAGATCTGAAAGCATAAGCCTTAACATTTTTTAGATAAACGGTCCCTGAAAAGAATAAAAAGTATCAGTAC
TTCCGTTAACTAGCTTTAGTATTGGGTCATTTGTAGTTTACATTCTCCTTTAAGTTTTAAGACCTTCAGTA
GTTAACAAAGCAGACAGAGACTGGCCAGGCACAGTGGCTCACACCTGTAATACCAGCACTTTGGGAGGCTG
AGTTGGGTGGATCACAAGGTCAGGAGATTGAAACCATCCTGGCCAACATGGTGAAACCCCGTCTCTACTAA
AAATACAAAAAAAAAAAAAAATTTGGCCGGGCGTGGTGGCGGGCGCCTGTGGTCCCAGCTACTCGGGAGGCT
GGGGCGGGGGAATTTCTTGAGCCCGGGAGGCCGAGGTTGCAGTGAGCTGAGATCGCGCCACTGCACTCCAG
CCTGGGTGACAGCGAGACTCTGTCNNNNNNNN

Table3 4603

tgatctcattctcatgggcacgcagctcctgaagagttttgggcatttttttttggcaattccttc
agctgattcttggacAGAtaaagtCGttccAaCttCaccaaaGGTGTaAaTGCTCCAGGACTAACTTTgct
aATTTTATTGTTGACAAGAATCAATGCGTGAAGGTTCTTCAGGTTCTTAAAGTCTCCATCTTTGATTTCGG
TTATTTTGTTGTTTTTGCAGGTCTAGCAGAGTTGTGTCAGGGGGAAGATCCTTTGGCACTTTGTCCAGACCC
AAATCAGAACACTGGACCACTCGAAGATGGCATTGACAGCGGAAGGGGCACACTGGGCCTAGGGAGGGCTC
GAAGTCGCGGTCATCAGGAACTTCTGGGCCTATCCCAGAAGCCTCATCTTCTAGCATAAAGTCAAATAAGC
CTCTCTGTTGAAACGGTCCAGCCCAGGAAACTTGTGCAAGCAGAAGGAGGATGATAGTGGCCTTCATGATT

Table 6
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TATCTCATGTATTTTCACAACCAGGGCTGGACCGTTTCAACAGAGAGGCTTATTTGACTTTATGCTAGAAG
ATGAGGCTTCTGGGATAGGCCCAGAAGTTCCTGATGACCGCGACTTCGAGCCCTCCCTAGGCCCAGTGTGC
CCCTTCCGCTGTCAATGCCATCTTCGAGTGGTCCAGTGTTCTGATTTGGGTCTGGACAAAGTGCCAAAGGA
TCTTCCCCCTGACACAACTCTGCTAGACCTGCAAAACAACAAAATAACCGAAATCAAAGATGGAGACTTTA
AGAACCTGAAGAACCTTCACGCATTGATTCTTGTCAACAATAAAATTAGCAAAGTTAGTCCTGGAGCATTT
ACACCTTTGGTGAAGTTGGAACGACTTTATCTGTCCAAGAATCAGCTGAAGGAATTGCCAGAAAAAATGCC
CAAAACTCTTCAGGAGCTGCGTGCCCATGAGAATGAGATCACCAAAGTGCGAAAAGTTACTTTCAATGGAC
TGAACCAGATGATTGTCATAGAACTGGGCACCAATCCGCTGAAGAGCTCAGGAATTGAAAATGGGGCTTTC
CAGGGAATGAAGAAGCTCTCCTACATCCGCATTGCTGATACCAATATCACCAGCATTCCTCAAGGTCTTCC
TCCTTCCCTTACGGAATTACATCTTGATGGCAACAAAATCAGCAGAGTTGATGCAGCTAGCCTGAAAGGAC
TGAATAATTTGGCTAAGTTGGGATTGAGTTTCAACAGCATCTCTGCTGTTGACAATGGCTCTCTGGCCAAC
ACGCCTCATCTGAGGGAGCTTCACTTGGACAACAACAAGCTTACCAGAGTACCTGGTGGGCTGGCAGAGCA
TAAGTACATCCAGGTTGTCTACCTTCATAACAACAATATCTCTGTAGTTGGATCAAGTGACTTCTGCCCAC
CTGGACACAACACCAAAAAGGCTTCTTATTCGGGTGTGAGTCTTTTCAGCAACCCGGTCCAGTACTGGGAG
ATACAGCCATCCACCTTCAGATGTGTCTACGTGCGCTCTGCCATTCAACTCGGAAACTATAAGTAATTCTC
AAGAAAGCCCTCATTTTTATAACCTGGCAAAATCTTGTTAATGTCATTGCTAAAAAATAAATAAAAGCTAG
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TTTAAGTAATTGCCTACAATAAAAAGAAATTTTGCCTGCCATTTTCAGAATCATCTTTTGAAGCTTTCTGT
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CAATATTTAGTAAAGCTTTTCTTTTTTAATTTCCAGGAAAAAATAAAAAGAGTATGAGTCTTCTGTAATTC
ATTGAGCAGTTAGCTCATTTGAGATAAAGTCAAATGCCAAACACTAGCTCTGTATTAATCCCCATCATTAC
TGGTAAAGCCTCATTTGAATGTGTGAATTCAATAcaagCTATGTAaaattTTTACTAATGTcATTATTTTG
AAAAaataaa
Table3 4604
ccaggcccagataga**GGAGTGGGGCAGCCTGCTGGACTCGCCTCATGGCCTGTCCCTACTTGCCC**
AGCTCCAGGACCACCTGACTGAAATATGCGCCTAAgtggTAAGACAAGCTGTGTGAATTCCATCATAAACA
GACATGTTACTTGTGTGAATGCCCATCTTCTGCAGCATGAAAGGGTGCACCCTTTGCTCCCGGGCTCATCC
ACCATCATGATCCATGACTTGTGCCTCGTCTTCCCGGCCCCAGCCAAGGCTGTCGTTTACGTGTCGGACAT
TCAGGAGCTGTACATCCGTGTGGTTGACAAGGTGGAGATTGGGAAGACAGTGAAGGCATACGTCCGCGTGC
TGGACTTGCACAAGAAGCCCTTCCTTGCCAAATACTTCCCCTTTATGGACCTGAAGCTCCGAGCAGCCTCC
CCGATCATTACATTGGTGGCCCTTGATGAAGCCCTTGACAACTACACCATCACATTCCTCATCCGCGGTGT
GGTCATCGGCCAGACCAGTCTAACTGCAAGTGTGACCAATAAAGCTGGACAGAGAATCAACTCAGCCCCAC
AACAGATTGAAGTCTTTCCCCCGTTCAGGCTGATGCCCAGGAAGGTGACACTGCTTATCGGGGCCACGATG
CAGGTCACCTCCGAGGGCGGCCCCCAGCCTCAGTCCAACATCCTTTTCTCCATCAGCAATGAGAGCGTTGC
GCTGGTGAGCGCTGCTGGGCTGGTACAGGGCCTCGCCATCGGGAACGGCACTGTGTCTGGGCTCGTGCAGG
CAGTGGATGCAGAGACCGGCAAGGTGGTCATCATCTCTCAGGACCTCGTGCAGGTGGAAGTGCTGCTGCTA
AGGGCCGTGAGGATCCGCGCCCCCATCATGCGGATGAGGACGGGCACCCAGATGCCCATCTATGTCACCGG
CATCACCAACCACCAGAACCCTTTCTCCTTTGGCAATGCCGTGCCAGGCCTGACCTTCCACTGGTCTGTCA
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TTTGCCATGAACGTGCTCGGCCGGGTAAAAGGCCGGACCGGGCTGAGGGTGGTGGTCAAGGCTGTGGACCC
CACATCGGGGCAGCTGTATGGCCTGGCCAGAGAACTCTCGGATGAGATCCTAGACCAGGTGTTTGAGAAGC
TGCAGCTGCTCAACCCTGAAATAGAAGCAGAACAAATATTAATGTCGCCCAACTCATATATAAAGCTGCAG
ACAAACAGGGATGGTGCAGCCTCTCTGAGCTACCGCGTCCTGGATGGACCCGAAAAGGTTCCAGTTGTGCA
TGTTGATGAGAAAGGCTTTCTAGCATCAGGGTCTATGATCGGGACATCCACCATCGAAGTGATTGCACAAG
AGCCCTTTGGGGCCAACCAAACCATCATTGTTGCTGTAAAGGTATCCCCTGTTTCCTACCTGAGGGTTTCC
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CACTGTCCACTTCCACGACAACTCTGGAGATGTCTTCCATGCTCACAGTTCGGTCCTCAACTTTGCCACTA
ACAGAGACGACTTTGTGCAGATCGGGAAGGGCCCCACCAACAACACCTGTGTTGTCCGCACAGTCAGCGTG
GGCCTGACACTGCTCCGTGTGTGGGACGCAGACCACCCGGGCCTCTTGGACTTCATGCCCCTGCCTGTCCT
ACAGGCCATCTCCCCAGAGCTGTCTGGGGCCATGGCTGGTGGGGGACGTGCTCTGTCTGGCCACTGTTCTG
ACCAGCCTGGAAGGCCTCTCAGGAACCTGGAGCTCCTCGGCCAACAGCATCCTCCACATCGACCCCAAGAC
GGGTGTGGCTGTGGCCCGGGCCGTGGGATCCGTGACGGTTTACTATGAGGTCGCTGGGCACCTGAGGACCT
ACAAGGAGGTGGTGGTCAGCGTCCCTCAGAGGATCATGGCCCGTCACCTCCACCCCATCCAGACAAGCTTC
CAGGAGGCTACAGCCTCCAAAGTGATTGTTGCCGTGGGAGACAGAAGCTCTAACCTGAGAGGCGAGTGCAC
CCCCACCCAGAGGGAAGTCATCCAGGCCTTGCACCCAGAGACCCTCATCAGCTGCCAGTCCCAGTTCAAGC
CGGCCGTCTTTGATTTCCCATCTCAAGATGTGTTCACCGTGGAGCCACAGTTTGACACTGCTCTCGGCCAG
TACTTCTGCTCAATCACAATGCACAGGCTGACGGACAAGCAGCGGAAGCACCTGAGCATGAAGAAGACAGC
TCTGGTGGTCAGTGCCTCCCTCTCCAGCAGCCACTTCTCCACAGAGCAGGTGGGGGCCGAGGTGCCCTTCA
GCCCAGGTCTCTTCGCCGACCAGGCTGAAATCCTTTTGAGCAACCACTACACCAGTTCCGAGATCAGGGTC
TTTGGTGCCCCGGAGGTTCTGGAGAACTTGGAGGTGAAATCCGGGTCCCCGGCCGTGCTGGCATTCGCAAA
GGAGAAGTCTTTTGGGTGGCCCAGCTTCATCACATACACGGTCGGCGTCTCGGACCCCGCGGCTGGCAGCC
AAGGGCCTCTGTCCACTACCCTGACCTTCTCCAGCCCCGTGACCAACCAAGCCATTGCCATCCCAGTGACA
GTGGCTTTTGTGGTGGATCGCCGTGGGCCCGGTCCTTATGGAGCCAGCCTCTTCCAGCACTTCCTGGATTC
CTACCAGGTCATGTTCTTCACGCTCTTCGCCCTGTTGGCTGGGACAGCGGTCATGATCATAGCCTACCACA

Table 6
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CTGTCTGCACGCCCCGGGATCTTGCTGTGCCTGCAGCCCTCACGCCTCGAGCCAGCCCTGGACACAGCCCC
CACTATTTCGCTGCCTCATCACCCACATCTCCCAATGCATTGCCTCCTGCTCGCAAAGCCAGCCCTCCCTC
AGGGCTGTGGAGCCCAGCCTATGCCTCCCACTAGGCCGCGTGAAGGTTCCCGGAGGATGGGTCTCAGCCGA
GCCTCGTGCACCCCCAAGATGGAACATCCCTGCTGCATTCACACTGGAACAAGCCCCTCCAGATGAGTGCC
CCGGCCCCAGGCCAGCTTCACTGCCGTCTCTTCACACAGAGCTGTAGTTTCGGCTCTGCCCATTAGCTCAT
TTTATGTAGGAGTTTTAAATGTGTGTTTTTTTCCTTTCAAGTCTTACAAAGCTAAGACTTTTTGGCTCATT
CCTTTTTGCATGGTTGTCTAGGGTTTCTGGACAATGTGCTGTTGCATTTTTATTTTCCTAGCCTTGCTAAA
ATCTTTCCCTTCTCAAGACTTTGAGCAGTTAGAAGTGCTCTTTAGAAGTTGTCTGTGGGTGATGTTACTGT
AGTGGTCTCAGGGAAAGGATTGTCCAGTTACTTTAGGGGGTTTTTGGTGGGGTTTTTCCCCCTGTGAAAAC
TTACTTTGCCCCTAGTCTGGCTGCTGCTAGGACTTCTGAGGAGCAATGGGACATGAGTGTCCCTGTATCTG
CGCCACTgccgcaagggaaGCCTCAGGAACCAGCACCTGGAGGCCAGGGCTGCTGCCCAACCATGGGCCAC
TGTGAACAGACTTCAGTCctttgTTTTTGTTTCATAAGCCGTTGAGACATCTGATGGACTTGGCTtatgcC
CTGCTGGGACattccacttgTGATCCCTTTCACTCCATCAGGACacccagaacTGTCCTTAGgaataatGT
CCTTgagatggcagcaggaGTCATATTTTCTGTGtgtgtgtttcggaaagccgctgtgtcctgcctcagca
caaagacccagtgtcatttgctcctcctgttcctgtgccactccagaacctcagcagatctgagccaccgc
ctgccagtgtgagaggcggccactttcatggcagctcatcaggcgcagggccccagacagcttcccagcag
gccctagagcccggcc
Table3 4606
ACGCGGGCATGATCAAAGAGCAACATCTGAGTGTGTCCTGAGTGAAGTTCTGTAAAGATAAGAAG
CAGGACTTGCCACCGCATTGCAAGAGAAAGTTTACCAGCATCAATTAATTAAAATAGAAGGCAGCCAATCG
GCATTGGGCACAAGGGAATGATGCTTGTATTGGAGCATGATGAAGAGATGTCAGCTTTGTCTCAGCACCAA
CATCACTATTAACACTTGCTATCTGTCACCAATCAGCAATCTGTTCCTGATGTAATCGAGAGTTCCAAAGC
ACAGCTCAATTCTTCCACCTCTCTGAGAAGAGTGGTGTGTAGGCCTTCTGACAGTGGGAGAAAGTTGCACT
CTTTGGGACTCAGTTTCTTCTCAAAACTCATTCAGAAATCATCACGTGTCACTGTTAGCTAGGTCCAGGAT
GTTTGAATAAGAATTGTGGTTATATTATAGTAAATTGTGTAAAAAATCAGTTAGTTATGGGTAATAGGTAT
GGCAGTTACCATGTGCCAAGAATCTTATAAAGTTTTTTACATTTAGTAATTCATTTAAGTCTCACAGTAAC
CCTACAAGGTATATTTTCCTTATTTTAAAGAGGACAAAACTGAGGT
Table3 4607
CGACCCACGCGTCCGCGCGCCGGGAGGGCGTCCGGTCAGGGGGCTGGGGACGCGCGTGGGGATCG
CTACCCGGCTCGGCCACTGCTGGGCGGACACCTGGGCGCGCCGCCGCGGGAGGAGCCCGGACTCGGGCCGA
GGCTGCCCAGGCAATGCGTTCACTCGGCGCAAACATGGCTGCGGCCCTGCGCGCCGCGGGCGTCCTGCTCC
GCGATCCGCTGGCATCCAGCAGCTGGAGGGTCTGTCAGCCATGGAGGTGGAAGTCAGGTGCAGCTGCAGCG
GCCGTCACCACAGAAACAGCCCAGCATGCCCAGGGTGCAAAACCTCAAGTTCAACCGCAGAAGAGGAAGCC
GAAAACTGGAATATTAATGCTAAACATGGGAGGCCCTGAAACTCTTGGAGATGTTCACGACTTCCTTCTGA
GACTCTTCTTGGACCGAGACCTCATGACACTTCCTATTCAGAATAAGCTGGCACCATTCATCGCCAAACGC
CGAACCCCCAAGATTCAAGAGCAGTACCGCAGGATTGGAGGCGGATCCCCCATCAAGATATGGACTTCCAA
GCAGGGAGAGGGCATGGTGAAGCTGCTGGATGAATTGTCCCCCAACACAGCCCCTCACAAATACTATATTG
GATTTCGGTACGTCCATCCTTTAACAGAAGAAGCAATTGAAGAGATGGAGAGAGATGGCCTAGAAAGGGCT
ATTGCTTTCACACAGTATCCACAGTACAGCTGCTCCACCACAGGCAGCAGCTTAAATGCCATTTACAGATA
CTATAATCAAGTGGGACGGAAGCCCACGATGAAGTGGAGCACTATTGACAGGTGGCCCACACATCACCTCC
TCATCCAGTGCTTTGCAGATCATATTCTAAAGGAACTGGACCATTTTCCACTTGAGAAGAGAAGCGAGGTG
GTCATTCTGTTTTCTGCTCACTCACTGCCGATGTCTGTGGTCAACAGAGGCGACCCATATCCTCAGGAGGT
AAGCGCCACTGTCCAAAAAGTCATGGAAAGGCTGGAGTACTGCAACCCCTACCGACTGGTGTGGCAATCCA
AGGTTGGTCCGATGCCCTGGTTGGGTCCTCAAACAGACGAATCTATCAAAGGGCTTTGTGAGAGGGGGAGG
AAGAATATCCTCTTGGTTCCGATAGCATTTACCAGTGACCATATTGAAACGCTGTATGAGCTGGACATCGA
GTACTCTCAAGTTTTAGCCAAGGAGTGTGGAGTTGAAAACATCAGAAGAGCTGAGTCTCTTAATGGAAATC
CATTGTTCTCTAAGGCCCTGGCCGACTTGGTGCATTCACACATCCAGTCAAACGAGCTGTGTTCCAAGCAG
CTGACCCTGAGCTGTCCGCTCTGTGTCAATCCTGTCTGCAGGGAGACTAAATCCTTCTTCACCAGCCAGCA
GCTGTGACCCCCGCCGGTGGACCCCGTGGCGTTAGGCAAATGCCCAACCTCCAGATACCTCCGATGTGGAG
AGGGTGTTATTTAGAGATCAAGGAAGGAAGTCATCCTTCCTTGATATATATACAGCCTTTGGGTACAAATT
GTGTGGTTTCTTGAGGATTGGACTCTTGATGGATTTCTATTTTTATATAACTATACAGTAAGCATTTGTAT
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GTCTTATGAGACACACCTATTTAAGTACAGATTTTGGCTTTATTGCCCAAAACCCTCCTGAAAGGGTACGG
AGAGTCCCCTCTGTGGGCTGGCAGTGTGAATGAGATCTGTTTAGTCTCGTGCATATAGTTGCTGTTTTTTA
AATGAACACAGTTGAGTATTTGAAGTGAATTTGAAAAAGAAATGTTACTTAATCTTTCCCTAAGCCCATGG
GTTACAGAATGCTAGGGAGGCAATTTGGTTACCTGCAATGGCTGCTTTTGCCAGCGAGGCCACCATTCATT
GGTCATCTTGGTATTTGTGTGTGAATCTCACTTTCCTCAATGTAAAAAGGAATCAAGTATGGATTTCAGAG
GTGCTCTTAGATTCCCCATACACCCAAGGGTAATAAACGTGTACAAGTACAGTGTTCATGATACGTGCCTT
GGTGGGAGTCCGTGGTGCCACAGGGAAGGGGCTCCCACTGCTTCTGGTCTCCAGGGACAGTGCTGCTGGAA
AGGCTAGTGATGAGCTTCACCCTGGAGCTCCTCCCGGGACCTTGCAAGCCTCTCCATCCAGCATCTTCTCT
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TGAATTCTTTCTTAATTTACGATTTTTTATTATAAAAATGTATAGTGATACAATGGGACATGTGAAGAATA
CAGAAAAGTAACCACTTTAATGCAATAACTGTTATCATAATATTGTATTTCGTGGTAGTCCTTTCCTGTAG
ATATTTTTAATGCCATTTAATGCCATTGTCACCTTGGATTTATGAGTGAAAAGTGTTTCTAAAAATATAGA

Table 6
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AATAATGTCAGATCAGAGTCTGATCTTCTATGTTTGTATTTAAATGGATTAAAAGATCCCCGGTGGTTCCA
TGAAGAATTTGTAAAGATCACTTTCTCTTTCCTCCAAGCCCTGAAACTTTGTTCTTCAAAAGAGCGTTTCT
TTTTTTTTTTTTTTTTTAAGCCAGTTTATAAAGTGGAAGTATTAGGAGATTCATAAATCTTCTATATTGAG
AATTGGCTATGTTAATAAATATTACAACATCATTAAGGTTTTAGCTAAGTTTGATTCATGCTGTCTGTTAA
ATCAAAACTGATCTAAATCAGAATTATTAAATGTGAGGAGCTTTTTTAATACAGGAAAAGAAACATGTCAT
CCACTTGAGTTAATAGTTTTCCTACGTTGATGACAGCCCTCATGAGTAGCATCCACATTTTTAAAATTTCA
AATTGGTTTTTCTACTAGTAGATTGTGTTTCTAGAGAAAGATACAAGGCATAGGTGATTGTTTAGGATTTT
CCTCTAGCCTTTGCCATTACCTTTTTGGGGATGAGGTTCACAGTAGACTTTGAGTGACCGTCCCACCGTGA
AGTGAATTCTCTGAGCTGGTGGTGTGGTGCTGGAAGGAAGGTTATTTTTGGAGCCACTCTCTCCCCTTAAG
GATATTTCCCAAGGGCCTGCTTCAATTCTTTGATGACTTTAGAGGTGAAAAAATATTTTTATGGAGATGAT
GCAGAAAACTCCAATTCAGGAGCCCTTGCGAGTATATCTGAAGCACTTATTTGCTAAGGAAACCTGAATTC
GCACTAGCACTACTGCGCTGTCTGGAACTCTGTCCCTGATCTGAGTGGGACTAGACTGGCTTCCTCGCTGC
CTGGCCAACCGGCACTTCTTGACATTCACTGCTCATGGCATTTGTTGCTGTAAGAAGTGTTGCCTTTGATT
GTTACTAACCACGGATGGGTAACGGTCATACATTAGGCTAGTGTTTGGTAGGACAAAATCTTTTTAGAGCT
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GGCAGTTTCTTCAGCTGTGTATATACGGATCTGGCTTTTAATTGATGAATCAACTTCTACAGAAACTTTTG
CAGGGACAGTGTTGATGAGGCAGTTTAGCTTGCCAGGGTGATGATAAAGCCCAGGTCCCTGCATGTATAGT
GCTCTTCTAAAGAATATGCATTCTTGAACTACTTAACTTTTTAAAAATCACAATAAATTTTTGCACTCAAA
ATTTGCTTCGTATCANNNNNNNNNNNN

Table3 4609

NNNACGCGTNCGGGCACAAGGATCTGATGAAGATGAGCTGCAGAATTCTGACGATGATGAGAAAA
TGCAGAACACAGATGATGAGGAGAGGCCTCAGCTTTCCGAGGGTGAGAGACAACAGCTATCTGAGGAGGAA
AAGGCTAATTCTGATGATGAACGGCCGGTAGCTTCTGATAATGATGATGAGAAACAGAATTCTGATGATGA
AGAACAACCACAGCTGTCTGATGAAGAGAAAATGCAAAATTCTGATGATGAAAGGCCACAGGCCTCAGATG
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GAAGATGAAGTTTTACGAATGAAACGCAAGAATGCGATTGCATCTGATTCAGAAGCGGATAGTGACACTGA
GGTGCCAAAAGATAATAGTGGAACCATGGATTTATTTGGAGGTGCAGATGATATCTCTTCAGGGAGTGATG
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GAGCCAATTCCTGAGACCAGAATAGAAGTAGAAATACCCAAAGTAAACACTGATTTAGGAAACGACTTATA
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TTGAAGATGAAGAAATGCTGGATGAAGAAGGTAGAACCAGGTTAAAATTAAAGGTAGAAAATACTATAAGA
TGGAGGATACGCCGAGATGAAGAAGGAAATGAAATTAAAGAAAGCAATGCTCGGATAGTCAAGTGGTCAGA
TGGAAGCATGTCCCTGCATTTAGGCAATGAAGTGTTTGATGTGTACAAAGCCCCACTGCAGGGCGACCACA
ATCATCTTTTTATAAGACAAGGTACTGGTCTACAGGGACAAGCAGTCTTTAAAACGAAACTCACCTTCAGA
CCTCACTCTACGGACAGTGCCACACATAGAAAGATGACTCTGTCACTTGCAGATAGGTGTTCAAAGACACA
GAAGATTAGAATCTTGCCAATGGCTGGTCGTGATCCTGAATGCCAACGCACAGAAATGATTAAGAAAGAAG
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GGGCTGAGCGCCAGTTACCTGGAACCTGATCGATACGATGAGGAGGAGGAAGGCGAGGAGTCCATCAGCTT
GGCTGCCATTAAAAACCGATATAAAGGGGGCATTCGAGAGGAACGAGCCAGAATCTATTCATCAGACAGTG
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GAACCTTCCGGAAAGAGAAAAGCAGAAGATGATGATAAAGCAAATAAAAAGCATAAGAAGTATGTGACCAC
AAACAAACAAAACAAACAAAAACTAGACGCGCAGCATGGCAGAGAAGTATAAGACCACCGGTGGGCCGGGC
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GTACACACGTGACGAGTCAAGGCAACAAACAGCCGGAAAAGCCACGGTGGAGAGAACAACGTATCAGACAT
CACAGAACCGAGACACAATAGGAAAAAAGAAGGAGATAACGGACACACCAACANNN

Table3 4610

CACAGTGGTGCGATCTCAGCTCACTGCAAGCTCCGCCTCCTGGGTTCACGCCATTCTCCTGCCTC
AGCCTCCCGAGTAGCTGGGACTACAGGCATCTGCCACCACGCCTGGCTAATTTTTTTTGTATTTTTAGTAG
AGACGGGATTTCACTGTATTAGCCAGGATGGTCTCAATCTCCTGACCTCATGATCCACCTGCCTTGGCCTC
CCAAAGTGCTGGGATTACAGGCATGAGCCACTGCGCCCAGCCGAGTCATTTTTTAATACTACTGCATGTGA
GTTAACACAATCATTCCCAAATTGAAGTTTTAGATGGGCCCTCAAAATTTTTAGGATATGGTTTTCCTACA
GGTTTATATTGAAAGTATGGGGTATCTCCTATTACTCCTCTTTTTATTTGTCTTAAAGGAGAAAGGGAGAG
GCCAGAGACCAAATGTCCCCATTTCCCTATAGCTAATCTCTCTGGAAGACAAGCAGCCCAGACCTGAGCTT
CTAGATGGATACAACCAGGTGCATGTCCGAGGCACAGAGGAGGGTATTTATAACCCATAGTAACATTAAAT
GCAGTGCCTTCTTCTCCTGGTTGAGCAGGGCAATGGTCATCTATAGCTCCAGGCATCTACNANACTATCGT
TAGTGTAGATTTCCGCAGGAGCATTCATCCAGGTGAN

Table3 4613

ACATACTCCCATTCCACAGCTTAGTCTAACATGCAAAAAGGGCATGATTAGAGATTGTTGGTCAT
TAAGAAGAACAGGAGGAGACGTTCTGGAGCCTTGGCACTATGCCTGGGGAAGAGAGGATCTCAACACCCCT
CAGCCATCTCTGGGCCAGAGGAAAGTCACCTAGGGGTTGTCCTAAAGAGTTCCACGGGAGAAGAGATTATG
CTGTCTGATGACCCCTTACCGTTTTCTCCAGTATGTCCCTACTTTTTGGGTGTCCAGCTGAGGCTATTAAA
CTCGTCCTGCTTCTGAGGTCGGTTTCTTTTCTACCATGCGAAGGTTTAAATCTGCTGTACTGTCTCTGCTC
TCTGTTCTTACTTTTCCCAGAGTTCCTACACTTACTACATAACTAAAAACTGGATTTTAAGCTGATTGCAC

Table 6
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TCTTCAATGCGTTTCATTTCTGAGATTGTTCTTTCAAAGCCCTAACAATAGATTTCGGTTCATATGANNNN
N
Table3 4614
NCGNCCCGCCTGCGAGTGCTCCAGGAGCTCGCCGACCTCGTGGACGACAAGGAGTAGCCGCCTAG
GGGCTGCCGGCCCCTCTGCCTCCCCCGCACCTCGCTCCCTTCCCTTCCCCGCACCCGGACTTCGCAGTCAG
CGGTTCTCAACCTCTGCCCCGCCCCGCCACGCGCGTCCGCCGCCGGTGGCCCGGGCCCGGGCTGCACCCCC
GCATCCCCAAGCCAGCGGCAGGAAGTCTCAGGAACTGCCCCAGGGCCGAAAGGGCGCCGCTGCGAGCGCCT
GGCTGACAGCCACAGCGGTGGTGACGGTGCTGGGAGACCCCGCGTGCGCTTTCCCCTTGAGATGTAAACCG
GGAACGGGGAAGGGGCTGAGGGGAGAAAGGACATGGCCTTCCCCGCGAGTCCATGGCCAGTGACTGTGGCC
CGACTCGAAAACAACCCTCTTCTCAAAAGGGACCATCACCGCCCCGAGCGTGCGCACACAGACCGGTCGGA
GGCGAGAACTGGTCTCTACAGGGCACAGTTCAGCTCCTCTGTGGATGCGTCCCCAGATCGCAGGATTTCCA
AGAAATCGAGCCTGTCCCTTGTGCACTTGGGAATAATTCCCCAAGACAGCACTTCGGGATTCCGGGTTATC
CTGAGGCTGCCCGGGACTTTTCCAGCTCTCCAGCCCCAGGTCTCCTGACATTGTGTTCCAGGCTGCGGGCT
AAGCCAGACAGTGTTTGCCTCCGGTTCTTTCCACCGTGGGAAGCGAACGCCACCCCCACCCGCCTTTGCCT
GCGAGTCTCCCTCGCTGCAGAAGGGAAGCCGGCCCGTCCCGGGAGGAGATGGCGCTGCGAATTCGGTGAGG
ACAGCCGGCCCCGCCCCCGACAAGGAGCTCGCTCGTTCACCTGGTGTCTGGGAACTTGAATGTGTGAAGGG
CGCTTATTGTTCTGAACCCTTGATTGCTCCCTCCTCGGGCTGCATTTCAAAAATAGTCATATTTTTAAAGG
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TATATTTAGTTTGGCTTTTCCTAACATAGAAATCTTCAAAGCTGGGGAAGTGGAAATAAAGTTTTAAAAAT
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GGCTAATAAAATTTCAAATTGAAATTTTTATTTTCATGGCTTTAATCCATGATAGTTTAAATACTGGGGGC
CATTAAGAGTGGATGTAGCTAAGAGCTTAGCTAACATTGCCTTTTCACTCTATTTTTCTCAGATATTGTAA
GCATTCTGTTTTTCAATATTGTAGTTAATTTTTTGGCTTTCAACAGCAGCCCTAGTAATGGTGGAGTTGTT
AATTAATGTGTATATTGTACTGAATTTCTGTCAGTTAAGGGGTTCACTGCTTTGGTGGAAATTGGTGGAAA
TTGCTAGCAGGTTCCACGATGTTTATTTTTTTCTCCATGTTGTATATCATTACCATTTCACATACGCGTTT
CTATTTTTCTTCCTCTCCTCCTGATCTCCTTAAAAATGAATCTAGAGTTGGTGGCTTTTTCCCCCTCCTCT
TTGGCCAGTTCCACAGTTCAGTTCTTCCTGAAAACAGGGATGATGAACTTGTAGGATCAGGACAAATGTGT
GTTTTTCAAAAACTTAAGGCTGGGTGTGAAACACCTTCTGTGGACAAGGATTTGTAAACTTCTCTCCTCCC
TCCAGCTGCGGCCCCAGCCTAACTGATAGTTACTTGATTCAGTGTGCTAGACACTTAAATAGCATCTATGT
CTCTTTCAAGGGAATTTGTCAAATAATGCTGTTTAGCTAATTGTTGCAAGCAATTGCATATTAACAGCTGT
GATTTTGTTGGACAGCAAGTATTATGGCCAAAGCCAGTTTCTTGGCATTTCAAAAATAATGCAATAAAAAC
TAGTTGAGGTTAGCTGAGGCTGGAAATGCCTTTTTCATGGTAAATGATTCACTTCTATATTTTTCTTTCTT
TTTCTTTTTTTTTTCTTTGGTTTTCATCCTGGATTCATCCCCTGATCTTAAATCAAAACGTCAGATCAATGA
ACTATGAACTAAAGTATTTTTCTTAAGCCTATTGAGTGATTTATTTTTTAAAAAATGTTTAAATGCATATG
CTTTTCTTTCAGCACAAACAACAGCAAAAACTTTTGTAATAACTAACTTACCTTTGCATGTATGAAGAACT
GAGTCATTTATTTCCCTAACTTACTCCTCTTTCAAGTAACAGGTGGCAGATCATAAAATGAATTCTTTATT
GTATCTACACACTCCACATTCTTTACTGTGTCCTACTACTGTATCTTGGCTCCCTGCTGTATTAAACACCA
TCTTAAGCACTTGTTCCTGCAGGACTCCTTCTTGACATTTTGTCTCCCCCTTCAAAGTCACTCAAAGAGTG
GGACTTCATCAAAAGAAATGAATTAGTCTCTATCACACCGAATACTAAGATTTATTTCCTCTGATGGTACA
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GTTGATGATAATACCTCTAAAAATATGCAATAATAAACCAATAGTTATGAAAGAAACTTGAAAGGTTTGCA
AGGTTTCTCCTAATCCCTGTTAAAAATTATCATTTATTTATCTCTTTTGTCAGTGTTAGTAAGGTAACCCA
TGACAGAATAATTTGAGTGATAGTTCATCATGCAGAGGATATGATCAAGATATTACCTTAATGGTTTTATC
CTGAAAAAGGTGTATACTTTTAGGGCACTGTTAACAATGCGAGTGAAACCAAGATGGTGCAAGTTCCCTTT
GCAGATGGCGTGGGCACACTTGATTTTTATTATGAGTGAATGTAATCTTTCTGTATTTTACCAGAGTTACA
GCAATTACCTGAAAAGTTTCCTAACATTTTAATAATGTTAGGGATTTCGTTTTGGTTTTAGTTGTCCTCAA
GAGACAACAGGTTCACAGTAATTTCCATGATGTTGGGTGTGGCTAAGCTGGGGATTGGTTCTGTTCCCCCT
GCTCCCGTGTAGAGAAAAGCTATATTTATACTGCATTCTTTCTCAACTTTCAGGTAAAACAAACTATGATT
TAAAAAAAGAAAAAAGAAAAGACAGGTACTTTTACTTCAAAGAGTGCTTTGCTACATTTTTATTTAAACCA
AAAATCAAATAAAATAAGGAGGGGGGCTGGGTATACTTTAAACAAAACCAGTCCTGAAATGCTGTTATTCT
CAAAGTACANNNNNNNNNNNNNNNNNNNNNN
Table3 4617
NNNNGAACCACAGACCTCTGCTGGCATCTGCGATTGCATTTTTCCTGTTTTAACAACGGCTGTGC
TAGACGAAGTGGTGAAGCCCAAAGACTTATTTTTGAGCTCGCTGTAAGACTGAGAAATCACGTAGTCCTTC
CTGAAACCACTAAGAGGAAAAATGTCTGTGACACTGCATACAGATGTAGGTGATATTAAAATTGCAGTGCT
TCTGTGAGAGGACACCCTGAATACATGCCAGTACCGCTTTGAGCACCTGGCGACACAAATGAAGTGGCGGC
TCCAGGAGGGACCTGGTGAGGCCGTCTACCAGATTGGGGTAGAGGACAATGGGCTGCTGGTGGAGCTGGCT
GACGAGGAAATGCTAGCTTTGCTCAAGACCCTGCACCGGATGGCAGATAAGGATGGGGCAGACATAACCGT
CCTTCGAGAGCGAGAAGCGGATTATGATAGCGCCACATCCCCCTCGGGGAGCAGGGCGGGGCCTGAGCACT
AGGCGGCGGCGGCTGGCGTGGGGCTGCTTAGATGCGCCACGGTTTCGGTAGCGACGGTAGCTCTAGCCGGG
CCTGAGCTGTGCTAGCACCTCCCCCAGGAGACCGTTGCAGTCGGCCAGCCCCCTTCTCCACGGTAACCATG
TGCGACCGAAAGGCCGTGATCAAAAATGCGGACATGTCGGAAGAGATGCAACAGGACTCGGTGGAGTGCGC
TACTCAGGCGCTGGAGAAATACAACATAGAGAAGGACATTGCGGCTCATATCAAGAAGGAATTTGACAAGA

Table 6
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AGTACAATCCCACCTGGCATTGCATCGTGGGGAGGAACTTCGGTAGTTATGTGACACATGAAACCAAACAC
TTCATCTACTTCTACCTGGGCCAAGTGGCCATTCTTCTGTTCAAATCTGGTTAAAAGCATGGACTGTGCCA
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CCTTGCTAAGGGAACATCTCGATGTTTGAACCTTTGTTGTGTTTTGTACAGGGCATTCTCTGTACTAGTTT
GTCGTGGTTATAAAACAATTAGCAGAATAGCCTACATTTGTATTTATTTTCTATTCCATACTTCTGCCCAC
GTTGTTTTCTCTCAAAATCCATTCCTTTAAAAAATAAATCTGATGCAGATGTGAAAAAAAAAAAACAAAAA
AAAACCACTGTGTGGGGCCGGGCCGAGAAATCTAAACCCATCGCTGCGGGCGCGGCCCATGTTACGAACCG
CCCACGTCGCAAAGAACCCGGCCGAACCCGGGCGTCTCTCCAAAAAAGCCGGGCGACGAGGGCGTGAACCA
CGGGGGCGGGACGGGCTAAGCAGCGTACCCGCCGAGCGGAGCGACGCACACACCAGAGCAAAGAGAACAAC
ACCGCAGCCGAGGAACAACACGCGAGAACCGTCCACACTAGCTCCCAGAGNNNNNCN
Table3 4618
ACCTGAAGCTTGAATTCCTGAACTTTTTTTTTTTTTTTTTTGTATTTTTAGTAGAGACAGGGTTT
CACCAAATTGACCAGGTTGGTCTCGAACTCCTGACCTAAAGTGATCCGCCCACCTTGGCCCCGCAAAGCGC
TGAGATTACAGACCTGAACCACTGTGCCTAACCTCCCTGAACTTCTCAACATTCTGAGTTAGTCACTTTCC
CTTTGGTTTAAGCCAGCTCGGGTTACTTGCAACCCTAGTTATACAGCCACTTTTCTACAACACAAACAAAC
CACCTAGAATAAAATTCATTTTCCTCCTTTTTTTTTTTTTTTTTTAATGGAAGGTGGGGAATTCAGAGAGC
AGAAATCTGTCCTGACCAGAGAAGAGTTCTTAACAGGTTCCACTGGTATCCAGGCAAGCTACCCtccagac
tcaaggtgTGAGGCTTACATAGCTGCTCCTCCTCGCTGAAACCCATGATTGCCATGGCCTCCACGGTTTCC
TGGAACATCTCATCATCCTGGGCTGCTGGGATGGGCACAAAGCCATTGGAGAGGAAGGTGTAGTTGTTGAA
GCCCTCCAAAAGCAAGTCACTTCTCATCTTCTCCTTGGCTCCAGCAATCATGTAGTAAAAGATGTGGAATG
TCCTCTCGTCTCTGGCTTGGCGAATTGCCCGTGATTTTTCTAGCAGATAGGTCTCAATGTTGGCTCCCACG
ATGTAACCCGTGACGTCGAAGTTGATGCGGATGAATTTGCCCTGCCAACAGGAAAACACAGTTCAGGCTTT
GCTGCCCAACTTCAGCCGTTAACCCCATGCTGTGGGCAAGCAGGAGGCAGATGGT
Table3 4619
GCGTCCGAAAAAAAAGACTCATGGACTCTCAGTCTCCTGAAGACCATGCGTTTCAATGACTTTTA
ACTTTTTTATTTTATGCTTTTAAAATGATTTCACGTACAAGTACCTTTGATCTTATAGATACTGGGGAGTG
GTAGGTGGTAGATAATGTCAAGTAACGCCCTCATGGTGTGGGTGAGGAAGTGAGGCCTTAGTGTTGTTTGG
ACTGTGCTCAGCCACACATTCTTCTTATTGCCCACACTCCCCAAACAGTGGAGGGTTCTTTTATCTTTGGG
ACAGTTCTCAGATCAATAAAGCCTTTGACCAGAGAGCTAAATTTAAGGCTTTGGGAAATATAAAAATAGAT
CTGAAACTGTTAGTCCTGAGTTCTAGCCATTAGTGGCTAGGTGATTGTGGTCAAATCACTTAAATTGTGTG
TTCTTATCCTTAAAATTGGCAATACTAAAACCTACCTTATGGGGTGGTCACAAGGTTAGATGAAATCATGT
ATTTGAAATTTCTATGTGAATTTTAAATTACTATAAAGATGGGAAATGCTGTTTCAACTTTGGTTCTACAT
CCCTATTCCCAGTGGGGCAGTCCTAGTTATCATAAAATGATATTTTTCTCTTGTTGAAATTAAACTTGCTC
TTATGACCTTTCACTTTTGCACAACTGAGAACCATTAAAATAGATTTCCTGGATACAGTGATTGTCAAACT
ATGGGTAAAGGGCACTGGATAATTGTAGGTTGGTTCGTTGGTTTGTTTTAAGGAATATTTTTATTTTTCAA
AGCACTATTAAACAAATTTTCTTAGAAGGTGTGGAATATGAAAATCATAGCCATGAACATTTGTATGCTTA
CAAAGCTGCCAAATGAAGCATGGCTAGTGAGTCTCAGAGTATTTCGCTCATGCTCAAATGCTGCTTGTCCA
TTTATTTGCCTTCTATATGCATTAGGAAACAGATAAGCTATAAGTANN
Table3 4621
CTCTTTCCACAGTGGCACTTGCCAATTAAAATAGCTGCTATTATAGCATCTCTGACTTTTCTTTA
CACTCTTCTGAGGGAAGTAATTCACCCTTTAGCAACTTCCCATCAACAATATTTTTATAAAATTCCAATCC
TGGTCATCAACAAAGTCTTGCCAATGGTTTCCATCACTCTCTTGGCATTGGTTTACCTGCCAGGTGTGATA
GCAGCAATTGTCCAACTTTCATAATGGGAACCAAAGTATAAGAAGTTTTCCACATTGGTTGGAATAAGTGG
ATGTTAACAAGAAAGCAGTTTGGGCTTCTCAGTTTCTTTTTTGCTGTACATCCTGCACAGCCGTAGATCCC
TTAAACCTTACAGCACATGTTTCCGTGAGCACAGGGTTGGGGCTAAAGTTACAGATTAACAGCATCTCAAG
GCAAAACAATTTTTCTTAGT
Table3 4622
gggtggagtgtaggccaggggttggcggtgccgtgtcatggaggctcagtctctgagcagccat
tgaaggggaaggaactgcgggtgtgtgtgtgtatgtgtgtgtgtatgtgtgtgcgcgcgtgcgtgcgtgtg
tgtgcgcgcgctagtgtgtgggacaagGAGGTGGGGGCAGCTGAGTTAGAGTCCCAACTCTTGGACTCCAT
TTGCTATTCTCTTCTTTCTCCCCCACACCTATCTGGTGGTGGTAGTGGGCGTTTATATTTGCGTTCCTTTT
CATTCATTTCTAAATCTCTTAAAAATTTTGGGTTGGGGGTATTGGGGAAGGCAGGAAAGGGAAAAGGAGAG
TAGTAGCTGAAGAGCAAGAGGAGGACATGGAGATGAAGAAGAAGATTAACCTGGAGTTAAGGAACAGATCC
CCGGAGGAGGTGACAGAGTTAGTCCTTGATAATTGCCTGTGTGTCAATGGGGAAATTGAAGGCCTGAATGA
TACTTTCAAAGAACTAGAATTTCTGAGTATGGCTAATGTGGAACTAAGTTCGCTGGCCCGGCTTCCCAGCT
TAAATAAACTTCGAAAATTGGAGCTTAGTGATAATATAATTTCTGGAGGCTTGGAAGTCCTGGCAGAGAAA
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GTATTTTTGAACTACTGCAGCAAATCACATACTTAGATGGATTTGATCAGGAGGATAATGAAGCGCCGGAC
TCTGAAGAGGAGGATGATGAGGATGGAGATGAAGATGATGAAGAGGAAAATGAAGCTGGTCCACC
GGAAGGATATGAGGAAGAGGAGGAGGAAGAGGAGGATGAGGATGAGGATGAAGATGAAGATGAAG
CAGGTTCAGAGTTGGGAGAGGGAGAAGAGGAAGTGGGCCTCTCATACTTAATGAAAGAAGAAATTCAGGAT
GAAGAAGATGATGATGACTATGTTGAAGAAGGGGAAGAAGAGGAAGAAGAGGAAGAAGGAGGTCTTCGAGG
GGAGAAGAGGAAACGAGATGCTGAAGACGATGGAGAGGAAGAAGATGACTAGATCATTCTAAGACCAGATT

Table 6
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CTCTAATGTTTCTGGGTGTGCAATAGAGTGATCACATCTTTGTTTCTTCATGTACGATAGCTATCCCTACA
GAAGATAATGTGTAACTTTTTATAGGAAAAGTGTGGTTTTACTATTTTTGCCTTATCATTCCAAATAAGAA
CTAGTCTGTTAATGATCATATTGTATGTAGAGAAAAATTTTCATTGACTCCCATTGTGGAATTCCCTAGCA
ATTTATTTAGACTTAATTTTTTAAATTCAAGCTTACTGTATTAGTCATTTTTAGCCCATAATTAAAACATG
ATCACTTTTACACAGGTGTAGTATGGTGCATTTCATTCCTTATTTATAAATTAACTGAAATTACAGTTTGC
TATAATATAAAATGACAATAGTCTCTTGAGTGGTAAGTTGGTTATTTTTTTAGAGGTGATCCAGGAATCTT
TAGTTTGAAGGCAGTTACCTTTTTTTTTTTTTTTTTTTTTTTGACTAAGAGTGTTTGGTTGCTTTTTTGTCA
CAAGTAACTTGGAAAATAGAAGCAGAATAGTAAAGGTTCTATTCAGCAACATAGTTCATGGATTTTGTGGA
GGTTCTATTCAGTAATATGGTTCATGGATTTAGTGGTGACTGATAAGATTTTATTTTTGAAGGAAAAATTG
CTTATACTAAGTCCAGAGACATGCAGGTGAGCCCTTTTGTCAGGCTGCAAATCATGACATGCCGATGGTTG
TTTATTTTGTTTTTAGGTGTGCATTCTTTTTCTTCTTAGCAATTCCTTTATGATCACCTTCCCTTCTTGTT
TCACTCCCTCCCGCTCTCTCAAAAGGAACTTGGGAAACTTGTGAAACCCAGGAAAACCTTTAGTCTTATAC
CTCAACTACCTTTCAGTCCTGTCTGGGTTTTAAATAAGTGAAGTAGAAGAAATTGAGTATTTTCTGACATA
AGAATATATTATCAATACAGTTTTATGCAGTAAGCTCTCCTTACCATAAATGTTTCTTGGTTGACAACATC
TAAGACAATATTAGTGGGATGAAGAAAGAAAAGCAGGGGTGCTTTTGGAAGCAGTGTTAGTGTTCCTCAAA
AGTCGGAACAATTGCCTGTTGATATATTAATAAGACATTAAAGTCAAATTTTAATGTTGGCCTCTCAAATG
ATTTGGATACCACTCTGCAAAGTATTTCTAACCTTTAATTCCCAGTTTTAAAACAGATATAATAATAGCAT
TTAATTGGAATATACTAGGCAGCTGGAAAAGTATTTGAAACTAAATTGACATTAAAATTAAGATTTGTTTT
CAAGTGGATGTCCATTAAAAGTAGAAAAATATTTGGGATAAGTGAGTGTGTGTTTCCTTACATGGCTACTA
AATAAAATATAATGAGTATACAAGTATATCTCCTCTTTTGCTATGGAGGCTCCATGTTCAAGGCAATGGCT
TTTTAAATCTTGGCTATCTAAAATTTTTTCCCTTTGTTTTGAATATTTGTAAGTTTTTAAGAAGTTAGTGT
CAGCAAATTAATTGAAGTTATGCTTCTATACTGGGACATATTTAAATACTGAGTATAGTACTGCTGCTACT
GCTTCTACAATGTAAAATGTATGACTTGGTGTTTTAAAGTAAAAATTATGATGTTACTTGTGGAGAAACTA
AAAATGTTGTACAACTGACCGAAAGAAAACCCTTGGGGATAAGTTTAGTGAGGGGATTGGAATCCCCAAAA
AGATAACATTTTTCTTCTGCTTTTAAAAACTGAAATTCCCTGTTCTAGTTCCTAACAATTCTCATTACATA
CTATGCCAGATTACAAAATACTTATTTTTAAAATGAAATCTATATATTGACTTTCTTATCAATCATCTTAC
TGTGCAATCAAAATTAGAGTACTTTGGTTTGAAAACAACACTTAGAGCCTCCAGATAACTTTTAAGACTTA
TTTAGCTTTGTGGGTGGTATTTTCATGCAAATAAGTAAGGGTGGGTTTTATATTTTGTAGAAGTTTTCGGT
CCTATTTTAATGCTCTTTGTATGGCAGTATGTATATATTGTGTTAAGTTCCTCAAGAATCTCCTTAAAAAC
TTTGAAGTTAATACTTTTGTGCAACTGTGTTTTGAATAAAGCCATGACAGTGTTAAAAACAAACAAAAAAA
TTTGCAGTACTCCTGATTATTCTTTTATTGTTTTTGACTGTTCCCTGTTTTTTTCTGTGACTGCTGTAACT
TAAAGTTTTTGAAACTGAATTGCTTCAAATAAATTGAAGATTTGTTATAAT
Table3 4625
CCGCCCGGGCAGGTACGCTGTGGAGTCTCCTCCAGATCGCAGCTGAAGGATCTGTTGAGCGCTTC
AGGAAAGGCGGACAGGCGACACTAACAGGTGAAGATCTCGGGAGACCATGACTAAGAAAAGAATTGCTGTG
ATTGGGGGAGGAGTGAGCGGGCTCTCTTCCATCAAGTGCTGCGTAGAAGAAGGCTTGGAACCTGTCTGCTT
TGAAAGGACTGATGACATCGGAGGGCTCTGGAGGTTCCAGGAAAATCCTGAAGAAGGAAGGGCCAGTATTT
ACAAATCAGTGATCATCAATACTTCTAAAGAGATGATGTGCTTCAGTGACTATCCAATCCCAGATCATTAT
CCCAACTTCATGCATAATGCCCAGGTCCTGGAGTATTTCAGGATGTATGCCAAAGAATTTGACCTTCTAAA
GTATATTCGATTTAAGACCACTGTGTGCAGTGTGAAGAAGCAGCCTGATTTTGCCACTTCAGGCCAATGGG
AAGTGGTCACTGAATCTGAAGGGAAAAAGGAGATGAATGTCTTTGATGGAGTCATGGTTTGCACTGGCCAT
CACACCAATGCTCATCTACCTCTGGAAAGCTTCCCTGGAATTGAGAAGTTCAAAGGGCAGTACTTCCACAG
TCGAGACTATAAGAACCCAGAGGGATTCACTGGAAAGAGAGTCATTATAATTGGCATTGGGAATTCTGGAG
GGGATCTGGCTGTAGAGATTAGCCAAACAGCCAAGCAGGTTTTCCTCAGCACCAGGAGAGGGGCTTGGATC
CTGAATCGTGTAGGGGACTACGGATATCCTGCTGATGTGTTGTTCTCTTCTCGACTTACACATTTTATATG
GAAGATCTGTGGCCAATCATTAGCAAACAAATATTTGGAAAAAAAGATAAACCAAAGGTTTGACCATGAAA
TGTTTGGCCTGAAGCCTAAACACAGAGCTCTGAGTCAGCATCCAACCTTAAATGATGACCTGCCAAATCGT
ATCATTTCTGGCTTGGTGAAAGTGAAAGGAAATGTGAAGGAATTCACGGAGACAGCTGCCATATTTGAGGA
TGGCTCCAGGGAGGATGACATTGATGCTGTTATCTTTGCCACAGGCTATAGCTTTGACTTTCCATTTCTGG
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CCAACTCTTGCAATCATAGGCTTGATTCAGCCCTTAGGAGCCATTATGCCCATTTCAGAGCTCCAAGGACG
CTGGGCCACTCAGGTATTTAAAGGTCTAAAGACATTGCCCTCACAGAGTGAAATGATGGCAGAAATATCTA
AAGCTCAAGAGGAAATTGACAAAAGGTATGTGGAGAGCCAACGCCATACCATTCAGGGAGACTACATAGAT
ACCATGGAAGAGCTTGCTGATTTGGTGGGGGTCAGGCCCAATCTGCTGTCTCTGGCCTTCACTGACCCCAA
GCTGGCATTACACTTATTACTGGGACCCTGCACTCCAATCCACTATCGTGTACAGGGCCCTGGAAAGTGGG
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AGGAGTAGTTCTATGACTTCAACAATGACAATAGGCAAGTTTATGCTAGCTCTTGCCTTCTTTGCTATAAT
TATAGCTTACTTCTAGTTGTCCTATTGTCACTGCCCTGTTTTTCATTGGGAAGCTTATCTACAGATGCCTT
CAGAATCTGACGAGATTGACTCTCAGTTTCATATTGCCCAGAAATCTACTTTAATGTCTCTTTCGAAAGCA
TTAATTCACTTTCCTTTTTCCTACAATGAAACCTGTTTTCCATTTGTATTAACTCATCTCCCTTCCACTCA
TGATCCGTCACTCTTCCTTGTGGTAATCCCTAGACTGGGAGCTCAGGTACTCTTTTAGTCATCTTTGTATG
TCTTTAGCAGAGTTCTTGACATGTGGTAGGTGCTTAATAAATGTTTGTTGTTTATCAAATTTTATGGTAGG
GAGAGTAAGTCAGCATCGGTATAAAATCGCTTACTCCACGTAACTCTTCTTCTGATAGGGTTTGATTTTCT
ATTAGAAGCTCAATTTTAGTTTTTTTTCATATTATAACTAAATATGTTTCCTGAGAGATAAGAGAAATAAT

Table 6
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GTTCCTACAATAGTTGTATGTATCTAAGATAAGACATATAGATGCTTAAGACATTTTGTTTCACTTGCTAT
TCACTAGTGTACTTGAAACATGGTCATTTTTAGCCCTTTTCCTTAGGAACCATGTCTTTATTTTCTCAATA
AAGAAATTACTTTCAACTTTCTAGGCTCACAGTCATTCAGATCATCTACCATCTGCCAATGAGATCAACTT
GGTTGAGAATTTTGGGATTTTAAATTAGCTGTCCTACCTTTTTAAATCTCTTTTAAATCCTTCCCATATTA
GGATCCAACAAAACTTTATCTTAGGAAATATGATAAGTAGCTTCCAATTGTTGTAGTGTGGTCTACAAATG
TGATTTGATTCATCTTCCCCCACTCTAATTTTCTCCCCTTTTCTCCTCCCTTACATGGAGTCTAAGTAAGT
ATTTGAACAAGTCATTTATGTATTAAATTAGAACTGATATTAACTAAATGTAGGAACATTCTGCTTATACC
AGTTTTTCTCATGTCGTAAAGTGTAGTTCTGAAAAACAGAGCAAATGAAATGCAAAGCAGGTACTTGGGTT
TACATCCCAGTGCCACTGATGATTCTGTTTTCTCATCTGTGGAAGTTTCACTGTTCTTGTTTCATGGAGAA
ATTAACTAAGTGTCAGCTGTCAGGCACACTGAACTCAGGTGATGTTCATTAATAGCTGTTGTACAATATGT
TTGTATTTGGATTGCTGCTTATTACTTAACAACAGGATAAACCTGAACAATGGAAAAGACCAACATTAGAG
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AAACATTTGAACAATTGCCGGCCCTTTCACCGAATTTACCTGTGGAATGCCTTTTGAGAGTTAGAGAACTG
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GTTATCAGCAATAAGTACACCAGTTTCTTTTTTAAATTAGGAGTATGTAATTCTAAATTAATTGATTCTCT
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CGATTACAAAAATATATATATATTCTTGTAGTGCCAGAAAATTGAATACATTAATAAATGGGGTAGAATAG
ATGAATCTCCCATGAAGAAGAATTCCAAATAATTTATGAACTCTGCCCTCAAGGATATGGAGCAGAACTTC
CTACTTCTCTAGTGTGAGCTGAATAGTGACTTCCTTCCAAAAATTACATATGGAAAGGGGGAAAATAACTT
TGTAGTGGAGAAATCTGATAAACACTATCTCGGCTAGGTTATCAAGATTAACACTAACAGTAATAAGTCAC
ACTGATAGTATGTACNNNN

Table3 4626

NNNCGACCACGCGTCCGTAAGGCCCCGGCCAGGACGGGATTGGCGTGCTGGGCGTGCGCGGCTGC
GGTACGGCGTGTTGGTCCCAGCGGTTCAGCTGAGGTAGGGACGTGCCGTAGGCCGGAATGTTACCGGCTGT
TGGATCTGTGGATGAGGAAGAGGATCCTGCGGAGGAGGATTGTCCTGAATTGGTTCCCATTGAGACGACGC
AAAGCGAGGAGGAGGAAAAGTCTGGCCTCGGCGCCAAGATCCCAGTCACAATTATCACCGGGTATTTAGGT
GCTGGGAAGACAACACTTCTGAACTATATTTTGACAGAGCAACATAGTAAAAGAGTAGCGGTCATTTTAAA
TGAATCTGGGGAAGGAAGTGCGCTGGAGAAATCCTTAGCTGTCAGCCAAGGTGGAGAGCTCTATGAAGAGT
GGCTGGAACTTAGAAACGGTTGCCTCTGCTGTTCAGTGAAGTGAGGAATGTGTTTACTGTGTACATGGTTT
ACTAGAAATGTTTATTGATTATATTTCCAGCTTTAATTTTCTTGAGTAATTTAACTGAATTTACACAGTTT
GCTTCATTGTATTTTCAAACAAATAGAAAATAAACTTATTAGGAAGCATTTTCTTAAAGTGTTTCTTGCTG
TCTTTTCTATCTGCTCTAATGTTTTGGTCCTTTTATTGAGTTTTTATTGCTTTTGATGTCAGGGCTTATTT
AATCTCTAGTGCATGAAAGTCTCATATGTAAAAAATGATTATTCTGAATTTAATCTGTCATTGGTCATACT
TCTAAGTGTTCAACCTTATAAAAAATAAATGACTATCAAAAAAAGAAAAACCTTACATTATGTTCTAGTAG
TTAAGTTTCCAAGGACAGTGATCACTAGTCTACCATAGACCCTAGAAGAGTTACCCAACACATAGTAGCAC
TCAAATATTGTTGAATGAATTATGAAAATGACTACTTGTATTGTTAATTTGTGTATTCTAGTGAATTAAAT
CTCTTCGGCATCATTTACTCCCTTAAGTATTTGACTTTGTGTCCACTGTTTTGGCAGGGATAAAATTATAA
CAGACTTTCTTGAACAAACAAATGTATCTATTACGGTTTTCCTTCCACTTTTGGTTAGATAGAAAAAGGAT
TACAACCTGCTTCTAGGTACACTCGACTATTTGTGTCACTATCGGTGTCCTTTGGCTATTTTTAACTACTA
TGTTAAATCATTATCATCTTCGTCGTCGGTTACAATTCTAGGCTTAAGATACTGGCGCAAAGTCCCGTTTA
CTACAGTTTTGTTCACACAAAAAAAATGTCGGGCGCCAATTATACTTGGTCGCATAAAGCGTATAATGGTG
GTGGTGAAAAGGGCGCTACGTGTTCAGTCTCTCGCCGAATAAGATGANN

Table3 4627

AAGAAAAAGTATCCCTATTGGCCTCACCAACCAATTGAGAATTTATAAAATTGAGTCCAGGAGGA
AGCTCTGGCCCTTGTATTACACATTCTGGACATTAAAAATAATAATTATCCAGTAGTGTTTCGGTCAACAG
AAAAAAAAAGTACATGCCCNNNNNNNNNNNNNNNN

Table3 4628

ACGCGGGGACCGACTGTGTGGAAGCACCAGGCATCAGAGATAGAGTCTTCCCTGGCATTGCAGGA
GAGAATCTGAAGGGATGATGGATGCATCAAAAGAGCTGCAAGTTCTCCACATTGACTTCTTGAATCAGGAC
AACGCCGTTTCTCACCACACATGGGAGTTCCAAACGAGCAGTCCTGTGTTCCGGCGAGGACAGGTGTTTCA
CCTGCGGCTGGTGCTGAACCAGCCCCTACAATCCTACCACCAACTGAAACTGGAATTCAGCACAGGGCCGA
ATCCTAGCATCGCCAAACACACCCTGGTGGTGCTCGACCCGAGGACGCCCTCAGACCACTACAACTGGCAG
GCAACCCTTCAAAATGAGTCTGGCAAAGAGGTCACAGTGGCTGTCACCAGTTCCCCCAATGCCATCCTGGG
CAAGTACCAACTAAACGTGAAAACTGGAAACCACATCCTTAAGTCTGAAGAAAACATCCTATACCTTCTCT
TCAACCCATGGTGTAAAGAGGACATGGTTTTCATGCCTGATGAGGACGAGCGCAAAGAGTACATCCTCAAT
GACACGGGCTGCCATTACGTGGGGGCTGCCAGAAGTATCAAATGCAAACCCTGGAACTTTGGTCAGTTTGA
GAAAAATGTCCTGGACTGCTGCATTTCCCTGCTGACTGAGAGCTCCCTCAAGCCCACAGATAGGAGGGACC
CCGTGCTGGTGTGCAGGGCCATGTGTGCTATGATGAGCTTTGAGAAAGGCCAGGGCGTGCTCATTGGGAAT
TGGACTGGGGACTACGAAGGTGGCACAGCCCCATACAAGTGGACAGGCAGTGCCCCGATCCTGCAGCAGTA
CTACAACACGAAGCAGGCTGTGTGCTTTGGCCAGTGCTGGGTGTTTGCTGGGATCCTGACTACAGTGCTGA

Table 6
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GAGCGTTGGGCATCCCAGCACGCAGTGTGACAGGCTTCGATTCAGCTCACGACACAGAAAGGAACCTCACG
GTGGACACCTATGTGAATGAGAATGGCGAGAAAATCACCAGTATGACCCACGACTCTGTCTGGAATTTCCA
TGTGTGGACGGATGCCTGGATGAAGCGACCGGATCTGCCCAAGGGCTACGACGGCTGGCAGGCTGTGGACG
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GACATCTTTATTGTCTATGACACCAGATTCGTCTTCTCAGAAGTGAATGGTGACAGGCTCATCTGGTTGGT
GAAGATGGTGAATGGGCAGGAGGAGTTACACGTAATTTCAATGGAGACCACAAGCATCGGGAAAAACATCA
GCACCAAGGCAGTGGGCCAAGACAGGCGGAGAGATATCACCTATGAGTACAAGTATCCAGAAGGCTCCTCT
GAGGAGAGGCAGGTCATGGATCATGCCTTCCTCCTTCTCAGTTCTGAGAGGGAGCACAGACGACCTGTAAA
AGAGAACTTTCTTCACATGTCGGTACAATCAGATGATGTGCTGCTGGGAAACTCTGTTAATTTCACCGTGA
TTCTTAAAAGGAAGACCGCTGCCCTACAGAATGTCAACATCTTGGGCTCCTTTGAACTACAGTTGTACACT
GGCAAGAAGATGGCAAAACTGTGTGACCTCAATAAGACCTCGCAGATCCAAGGTCAAGTATCAGAAGTGAC
TCTGACCTTGGACTCCAAGACCTACATCAACAGCCTGGCTATATTAGATGATGAGCCAGTTATCAGAGGTT
TCATCATTGCGGAAATTGTGGAGTCTAAGGAAATCATGGCCTCTGAAGTATTCACGTCTTTCCAGTACCCT
GAGTTCTCTATAGAGTTGCCTAACACAGGCAGAATTGGCCAGCTACTTGTCTGCAATTGTATCTTCAAGAA
TACCCTGGCCATCCCTTTGACTGACGTCAAGTTCTCTTTGGAAAGCCTGGGCATCTCCTCACTACAGACCT
CTGACCATGGGACGGTGCAGCCTGGTGAGACCATCCAATCCCAAATAAAATGCACCCCAATAAAAACTGGA
CCCAAGAAATTTATCGTCAAGTTAAGTTCCAAACAAGTGAAAGAGATTAATGCTCAGAAGATTGTTCTCAT
CACCAAGTAGCCTTGTCTGATGCTGTGGAGCCTTAGTTGAGATTTCAGCATTTCCTACCTTGTGCTTAGCT
TTCAGATTATGGATGATTAAATTTGATGACTTATATGAGGGCAGATTCAAGAGCCAGCAGGTCAAAAAGGC
CAACACAACCATAAGCAGCCAGACCCACAAGGCCAGGTCCTGTGCTATCACAGGGTCACCTCTTTTACAGT
TAGAAACACCAGCCGAGGCCACAGAATCCCATCCCTTTCCTGAGTCATGGCCTCAAAAATCAGGGCCACCA
TTGTCTCAATTCAAATCCATAGATTTCGAAGCCACAGAGTCTCTCCCTGGAGCAGCAGACTATGGGCAGCC
CAGTGCTGCCACCTGCTGACGACCCTTGAGAAGCTGCCATATCTTCAGGCCATGGGTTCACCAGCCCTGAA
GGCACCTGTCAACTGGAGTGCTCTCTCAGCACTGGGATGGGCCTGATAGAAGTGCATTCTCCTCCTATTGC
CTCCATTCTCCTCTCTCTATCCCTGAAATCCAGGAAGTCCCTCTCCTGGTGCTCCAAGCAGTTTGAAGCCC
AATCTGCAAGGACATTTCTCAAGGGCCATGTGGTTTTGCAGACAACCCTGTCCTCAGGCCTGAACTCACCA
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TCCAGGGAGAAGGCATTGCTTCCTCCCTGGTGTGAACTCTTTCTTTGGTATTCCATCCACTATCCTGGCAA
CTCAAGGCTGCTTCTGTTAACTGAAGCCTGCTCCTTCTTGTTCTGCCCTCCAGAGATTTGCTCAAATGATC
AATAAGCTTTAAATTAAACTCTACTTTCAGGAAAAAAAAAAACAAACCAAAAGCCACACCACAAGAAGAGA
AAACATGATGCGGCGCGCCCGCCAGAAAAAAAAACACGGGGGGGGGGCGCCCGAAATAAAAACGCGGGGGG
CGCCAAATGGGAAGACGGGGGTCCCCACAACGAGCGGGGGGGGGGCAAAAACGGGGGGGCGGGGACACANN
Table3 4629
NNATGTGCATTGGCCCGCACTTGGGATCCCCTGGTGACGGTATTTCCGAGTGGTCCCAATCCCCT
TAGGATGGTTCCTGTGGTAACGAACAAATTTGGATTTCTGCTGCCATTACACGAACTCAAGTCATATATAA
ACCTGAGTTAGCATGTCTAGTCACATTTTTCTCCTGGTCATGATGTCTCTCTTCTGTGGTTCCTCTTCTTT
GGCAAGTGGCTTGGCAGCAAATATACCCACTAGGGACCTCTCTGCCTTCTCTTAGTGGCAAGTTCCCCATC
AACAACCTTGAGAATTTGGGCCTCCCTTTGCTAACTACTTGCAAGAGTATGACTCGCCTGTAACCAGCAAA
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GCTGTCACTTCTGGAAATAGAAGTCTGCATTCAAAGAGCACGGCAATGGAAAATACTTTTGGATTCTCCAT
AGGGGGGCCTTGGAAACCACAGACACACTTGCCCATGTCTTTATGATGAATTTGATGACTGCCCAACCTCT
GATTCTTTAACAGGGGCAGGGAAACTGAATATTCCAGACCTGGCTCCCTAACCATGCACATAGATTAAACC
ACTGGGAAGTTCCAAGAATGTATGTGATGTTTTTTCGAGTCTGCAGAGTATTGATCTGCTCAGAAAAGCAC
CATGCCGCCAGTCTAATGCTGTCAATGGGCTGCTGGGCCTGAGAGGGAAACCACCCTACTGGTCCCCTGTC
ATACATGTTAACATTCCTGTGCTCCAATTGTCCTGTCCCACTACCACCTGCTCTGCATCTGCCCTCTAGGC
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TATATAAAATATACTTGTCGATTGGTACATTTGTGCAAAGACAGATATGACTTCCAAACAAGACAGACATT
CATTATAGTTGTCTTACTTCACAATAAGCTACTAAAAACAGTCTTCTGGAATAAGATTGTATTAGTGCTCA
CTAAACATGCATTTCATTTAAACAAGGCAAAACACTTAATTTGGTCTGCATTACCCAATATGTTATATACA
GCCGTCTTTTTATTTTATCACAATAGGCAACAAGATGGGTCTGGTTTTGGAATATGTTACCATTTGTGTTT
AATTTCCAAAGACACGCATATTAGCTCAACTAGTGTAAACCTGTGAAAAAATAGCTGAGCCATCTTTTTCC
TCTCCTCTGTTAATTTATCTTGAAATGTTCACAGCTTAGAAACTACAGCCTGCTGGGGAAGAGAGGGGAGT
GGGCCCCCATGGGGAAATGTCCCAGCTCGCTGGAATAGCCTCACCCCAGAGGGTAACTTGTTCTTGGGGAA
TCCAGCATCCGGTGCCATCCATCACCCCTACGGCACGTGTGACAACAGACCCAGGTGGGGAGTTTTGTCTT
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CCCCGAGTCTTACGTTTTAGAACAGAGACATTAGAATAAAAAAAAATAATAGTAACGATTAAAAATCATCA
AACAATGAACACCACGAAGTCTGTCCATGCTCTCCACAAGCACACTGGGGCTCTGGGCATTCCCACGAAGC
ATCCACGACAAAAGAAGCTGAAGGCGTCACGGAGGAAGGCGCATCAGACCGCACAGGGGACGGCATCACCA
TTGATATTGTTTGGCAAAAAAAAAAAAAATTGTTAAAAAGAAGAATCAAAAGGGAACACAAGCAGCTCTAC
AATTCGATTGGTGGGCGCAGGGCTCAGAACTGGCCGGCACTGCTCGGGTCGCACTGCAGGAGGCGCACAAT
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GGCGGAAGATCTTTTCTGTTCTTTTCTCTGGGGTTGACTCATCTTCAGGCATTTTCATTACAGAGGAAACC
ATCTTATAGATTGCCTGCACGATCTCTAGCATCTCTGCCTTGCTGATATAGCCATTTCCGTCCAGGTCGTA
CATGCTGAAGGCCCATTTCAGCTTCTGCTCCAGCTTCCCCCTCGAAGTTACACTCAAGGCGATGATGAATT

Table 6
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CTCTAAAGTCTATTGTCCCATCTCCATTTGCATCGAAGGTGCGGAAGACATGCTCTGCAAATTTGGAAGCA
TCCCCATAAGGGAAAAAGTTCCCATATATTTTCTTAAACTCTTCCATTGACAAATGTCCACTGGGGCAGTC
TCTCAAGAAGCCTTTATACCATTCCTGGATCTCATGCTCTGTAAAGTCTGTGCTTTCCAGCAAGTCCTGCA
TGACCTCCGGGCGCAGCTTGCTGTTCTGTTTCCCCATCCTGGCGGCAAGAATTCAGCTCACTCAGAAGAAG
TGCAAGATTTAACAGTCCATGCTCTGCAGCCCCTGGAAACAGCAGTAGCAGCAGCAGCAAGGTCCAGCATC
CACCAGATTCTCACAAGCCATTACGGACGCGTGGTCN
Table3 4630
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNTGCGACAGAGTCTCCCTCTATCATCCAGGCTGGAGTG
CAGTGGCACGATCTCGGCTCACTGCAACCTACGCCTTCTGGGAAAAAGCGATTCTCCTGCCTCAGCCTCCC
GATTAGCTGGGATTACAGGCACGTGCCACCATGCCTGGCTAATTTTTTTATTTTTAATAGAGACAGGGTTT
CACTGTGTTAGCCAGGATGGTCTCAATCTCCTGACCTCATGATCCGCCCGCCTCGGCCTCCCAAAGTGCTG
GGATTACAGGCGTGAGCCACCGTGCCCGGCCCTCTTGTGTAGTTTTCATTGTGTCTAGTGCAATGCCGTAA
ACCTTAACACCATGAGACCCATATGAAGTGCCAACAGTGATGATGGAAGCGCTTTCAAAGAGAGAAGTCAT
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TCAGACAGATGCTTCATCTTGTAAACAGCAACATAAATGTATGGTACCAATAAATACAGTACAGTACTGTA
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ATACTATATAATACACATACAAAATATGTGTTATTGCCTGTTTATGTTGTGGGTAGGGCTTCTGGTCAACA
GTGGGCTACATTATCGAACGGTCAACTGTATCCTTAACTTTTTTTCCTCAAATACAACTTTCAACAATTCT
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AGACCAGGAGGTAGACCTCAGAAGTATATTTAGTGTTCCTCCTAATATTCCTTCCAGCCCCCTTTCCTACA
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CGATTTTAGCACTTTGTTCTCCCAACCTCTCTCTTGATCCTGACCAACACATCACCTTCGATGAATTCAGC
TCCTGCTTTACTGGGAACCCTGAGGTCATCCAATACAAACACTCAAAATTCCCTTCTCCCATCTTAAAATC
TCCTTATACTTGACGTCTCTTCCTGTTCAACAAGTTTCTATTTTGGACAAGTGCTTTATTAATTATCTCCT
ATCTGGCATGTGCCTTTATTCTCTCGGACGCGTGAGCGGACGCN
Table3 4633
NNNNAGAAAACCATCGCCAACTCCTGCGATCAGCTTGTGGCTTACAAACCTTGTTTAAAAGCTGC
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AGCACTCATAGCCCAGATAGGAATCCTCTGCTCCTCCCAAATAAATTCATCTGTTCTGGAGAGCCTATCTT
TCTGAGGTTGACACTTATCTTGCAGAATGGGGTTCCCACCCATCTTTGATCATGAAGGAAATCTCAGATTT
AGAACTATGTTGCCCAGGCTGCTCTTGAACTCCTGGGGTCAAGCAGTCTACCTCGGCCTCCCAGAATGCTG
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Table3 4635
ACCGCGGTGGCGGCCGCTTTTTTTTTTTTTTTTATATTTTTAGTAGAGACAGGGTTTCACCGTGT
TAGCCAGGATGGTCTCGATCTCCTGACCTCTTGATCCGCCCACCTCGGCCTCCCAAAGTGCTGGGATTACA
GGCGTGAGCCACCCATCCGGCCTAACGAGACTTATTTTTACTCAACTAGATGGCGTTCATTCATTTGCTTA
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AACTCACAGCCTAGTATGAGAGATAAACAAATGAACATGAAATTATAATTCAGTAACAAAGAATGAGTGTT
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GGCATCCGAACAGAGGGGACAGCTGAGCTGAGTTCAATGAGCCAGTAGGAATTAGGTTGATATAAGTCAAA
TCATTTAGTGTTTATGACAACTCTGAAAAATAAGTATTTCCATTTTACAGATGTGAAGCCTAAGTCTCAAA
GAGTTATCCAACATCATCCAGAAGTGTGGGGACCCCACAATATCCAAGGGAACCTGGCCCCAAAACTCATG
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TCCTTCTTTTTTTCACGCAGCAACTTGTCTCTTTCCATGGAAATGCCTGTTCTTCATTGAAATTAAGTCCA
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AGAAAAATGCAACAACATAATGGAGAAACACACAGAAAGAAAATCAGAAACAGAACCCCAAGGCATAAAAA
AAAATCCCTGTTACGTCCCCGCGTTAATTAATTCTAGAAGTACCCCGANNNNNNNNNNN
Table3 4643
tcctgggggggttatttttttgggtgtgtgtgTGTGTGTATtGTgccttaGAaAGGTTGCAGATT
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GACCCACGTGGTGACTGCAAAGCCCTGGGTACTTGCCTTCATGTTCTGGTTTGGTTTTCCCTTTTTCTGCT
GCTCTTGGCAGCAGCCTGGTCATCATCTGCTTGTGGGAGTGGGAAATGGGTATTTTAGACCCAACACAGGT
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AACAAACCAGCTTTTTTCAGAGAGTGACCGAATAGGAAGAAGGGATTCAGAAATATGATGTAGTAGAACAT
GCCCTGCAGGAAGAAAATGTTTTCTCTCCTGCGTATGTTAAGAGGAAATCAGTTTAAAATGCCTGCTAATC
AAATGTCGACTCAGCTAACCATATGTCCAGGTTGCTGCAGAGTTTCTTTCAAATCTGAGTGTTGCCTGCTG
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AATAGCAGAATTAGCCAATCCTAAAACCTTCTAAAGACGATTTTTGAGCATCCCACTGGGATTATTTAATT
TTTCTTTTTGACGTGTGTTTTTAGTTTAGAAGTGCTGTATTCCACAAGGTTTAAGTCAGTGAGGTTGGAAG
ATACCCTATCTTTTTTATTCAAAAAGCACAATCAATCTTTTGTTTGAAAATCTATATAAAGTACAACTTGC
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Table 6
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GCAAAAGGTTTTCTTTAAAAAAAAAAAAAAGTGCAGTGATGTAGGGCTGTGGTTAGTTAACCGTACTGAGT
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TTACCTGCTGACTTTGCAGTTTGCTTGTGCTATGACATTTATTGTAGGTGCTATTTAGGGTAGGCTTAAAG
TGCTGGGTGGTGATTTGAGTTCAAACAATAAAAAATTGTATTTTTTCAATATTGTATAAACAATAGTGTTC
TAATTACCTTAAAAAAAAAATAATGACCAGTTAAGAATTGCTTTTGATCTTGTCAAAAAACTGAATAGACC
CCAGTTTCGGGAAGGTGTGTGAGCAGTGCCATGACTCTGCCCCTTACCTAATCCCACATCTCTCTAATGAT
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GCTGGGGGAGGTTGTAGGAGTTTAGCAGATTTGAGTGTGGCTGCAGAGAGAGAGAGAGTGTGTGTATGTGT
GCACATGTGTGAGAGTGTGAGCGAGAGTGTGTGTGTGTCCATCTAAGTGTGTGTGATGAAGGTGGGATAAG
GCTCCTCTGTTAGTGCTGGAAGCTCCTGTAATTGCCGCATGGATCCCACTGTGCCCTCTTGTTCTGTGCAA
GTCTGTCCTGTCTGGGCACTAACCTTGGTCCCATGCATGTTTATGTTCTGGGTGGGGCTTTGCCTCTCCAC
TGGGAAACTGACTTTTGCTGGGTTGAACAGAGTCCCTTATGCTTTTTGTCCTCTCCCTGCGCCTGGGAGAG
GTGGGAGTAGGAGCCCAAACACACAGGTACAGAAAGATCTGGAAGAAGGCCTGGCAGTGAATCCAAGGACT
CTGGGCCCCCAACAATAGATGGTAGCGTAAGTCTGGAGCAGCGGTGTTTTCACCACCAAATGCCTTTCCAG
GCTGCCCTTCCAACACTCAGGAGAGCATCCAGATCCCTGGGCAGAGGCTCTACATTCTTGGCTTTAGAGGT
GGTGGCAGCGGCAGCAGGTCAGAGCCACTTCTGGCGGTTTCCCTCCCCTTTTTAGTGCCCATAGTTTTTGG
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CAAACACCAACAAGCAAGATGGTTGCAACCTGGCAACATTGAATCCACCACCCTTGGGCTCCCTCTGGAAG
CCCCAGCACCGGGGGGCTTTTGGGCACAGGGTCAGTGGTAGCCATCTTAGACACTGACATTTGGCTTTGTC
GTCAATTTCATCACCCTCCTTGAGGTTACTGTGCAGTTTCAACCAGCATTTTATCCTAGTGAGGTCATTAT
CAGGAGTTGCCATATCATCTCTCCAGTACCTAACATTTCTCATCCACTTCAAAAGCTGTTCTGACTGCCAG
CTGGCTGATCTAAGCTCCTGAGGAATGTCTCCTCTCAAAGGAATTTTTCCCTCCAAAGGCCCCCTGAAGTC
CTAGTTGGCATTGGCCTGGCACATGCTTTATGTTAGGCCTCCCGTTGGGATGGCTGAGAATCATGAAAGAC
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TTTATCGACTTCCCAACTGGGCTTCCAGCCTTGTTGAATGAAATCATCTATCTCTGATTGGGCGCAACGAA
CTGCATTTCTTTGGACTTCTGAATCCATGTTTGTGCTTTCTCTGGCCCGTGAACACCTCGGCGATTCTGTT
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CCATTATTTACAGATTGTATTTGGTACATATTGTGTGATACTTGAAAAGATAAAAGGGACTGCCAGCCCCT
AACTGAAATCTGAAGCTTTTTATCGCTTATTTTTCCTCGCCCTGTCTCCTCCCTTCCACCTTTCTCCTTGC
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GTGTATAATGAAAACTGTAAAGAGGTTATTTACAGATTGTATTTGGTACATAttGTGTGATACttGAAAAG
ATAAAAGGGACTGCCAGCCCCTAACTGAAATCTGAAGCTTTTTATCGCTTATTTTTCCTCGCCCTGTCTCC
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TGACTATAACCTCTTAATAGTTGTGTATAATGAAAACTGTAAACTTTTTTAAATAAACGTGTATATA
Table3 4644
ACACTGGAGGCTGGAGCCTGCAGATGGCATGGCTCTGCGGCTCACCTTGCTGCAGTTGGTGGTGG
TGACAGAGACTGCAGCTTGACTGTAGTGGTGGTTACCAGGAGCTCTGCCACTGCATGTCCACTAGTGACGG
GTTCGCTCCACCACCCCAGCTGGGTAGCCGCTGCTCTCACATAAGGGGTCCAATTAAAATTGCCAGGAATA
AATTCCCCCGGACTTTGACTTCTCAAGAGCTAAGAAGGTTTGCTGAGTATTCTGGCATGATGTTTGGTGAT
CAAACAACTGCTGGCCAAAAATGATGAGTATTTCCCCCTCTTGCTGAAGATGTGCTCCATACAATAGTCCA
TCACATTCATCATTCATCAGTCTGGAAGTGTGCAGCCAATCATATTATCTATTACATGTTGTTCTGGCTTT
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atagtag
Table3 4646
ACGCGGGAAAGTGCTTAATTAGTGTCCATAGCTAAGGAAAGAGAGAAGAAGCCAGCAAGTGCATG
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CAGATGAAGTGACTGAGTTGTTTACTAATGATCTCCATTTGTCTTTTGGGAAGATACAGGGTCATATTTCT
TATCTACTCAAATAAAATGTTATTTAACACCAGAAGCAATAGTATCTGTGGTGGGCAGAACAATACCCCAC
TAAAGATGTCTACGTCCTGGGCCAGGCGCAGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCCAAGG
TGGGCAGATCACGAGGTCAGGAGTTCGAGACCAGCCTGATCAACATGGTGAAACCCCGTCTCTACTAAAAA
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NNNNNN
Table3 4648
ACCCCCGAATCTAAAATAAAAGCAGAAATTATATGAAAAAACTGGGGTGGGAGTTGGAAGGAACT
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GAAACCCCAAATTCTCCACCTCAGGAATGAAAAGTGCATTTGAATTTCAAGAAGGTATGGGCATGAGAACC
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TTGTAATTCCTTTCTGAGCTCTCTTCCTTCTAGAATCTTGGGGCATCTGAAAAACTCAAAGCTATGTAAAC
ACAACATATTGGTTGTTGGAGACAGGATAGCTTCTTGTCTTCTTTCCCTTGTGATATGGTTTGGCTGTGTC
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Table 6
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TAATTGAATCATGGGGGCTGGTCTTTCCCCTACTATTCTCCTTATAATTAATAAGCCTCACAAGATCTGAT
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ACGATTCTGAGGCCCCCCCAGCTATGTGGAACTGTAAGTCCGGTTAAACCTCGTTTTCTTCCCAGTCTCAG
GTATGTCTTTATCAAGCAGCATGAAACGGACTAATACACCTTGTTTTCTCACTGTGGGGTTGTAAACATTT
GTAAATGNNNN
Table3 4650
NCTTACCATTAAGAAGAGTTAATGGAAGGTGATACTCTGATTCTTTGGCATTGGAANTACATTCA
ATCCGCGGTATCCTCGGATTAGTTCTAGGACCCCCTTCTCCATACCAAAACCTGAGGATGCTCAAGTCCCT
GATAGAAAATGGTGTCATATTTGTATGTGCATATTCTCTTGTATAATTTAAGTGATCTCTGGATTACTTAA
TACAATGTAAACAATATGTAAATAGTTGTTATAGACTGTATTTTAAAAATTTTGTATTCTTTATAAATTTT
TCTGAATATTTTCAATCCATGGCTGGTGAAGTCCTCGGATGCAGACCGTGTGGATACAGAGTGCCGATTTT
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GCCTCCTTATGTATTTATTTCAGAAATGAGCCGTCAGACTGCTACAGCATTACCTACCGGTACCTCGAAGT
GTCCACCATCCCAGAGGGTGCCTGCCCTGACTGGCACAACTGCATCCAACAATGACTTGGCGAGTCTTTTT
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CAACTGTCGCCCAAAGCTCACATGTTGTCCAACTTGCCGGGGCCCTTTGGGATCCATTCGCAACTTGGCTA
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TACAGGGAGAGGATATAGTTTTTCTTGCTACAGACATTAATCTTCCTGGTGCTGTTGACTGGGTGATGATG
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CTTCGCAATCGTACAGCTGATAGGAACACGCAAGCAAGCTGAAAATTTTGCTTACCGACTTGAGCTAAATG
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GAAAATAAGGCACCCATCTGTCTGCCAACCTAAAACTCTTTCGGTAGGTGGAAGCATATTTGCCTGTTGTC
TATTCAGACCTTTTTGATATTTCCTTCCTCTTTCAGCATTTTTGTTTTTTAAGTGCAGTTTTCATTGTGGT
ATCCACCAAATGTTTGTAAAACAAACAAAAAAAATGAGCATTAGTGTTGGACCATAAATCATCAAATTGGA
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ACTGAAGTACTTCAAATAATGTGAGCTTAAACATGTTACTTCATTGAAACAACCAAAACTACTTGATGTTT
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TCACAAAGATGACATTCTTCACTGTATTTGCATTTGTAACCACCAAGCAAGTAAGGATCTCTGCCCCAGAT
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GAGGGCTATTATAAAAAACCCAGAAAATGAGTGCTGGCAAGGATGTGGAGAAACTGGAACATTTGTGCATT
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ATCCTGTTGTATAGTCCNN
Table3 4652
gGCCGCCCGGGCAGGTACGCGGGGACACTTCAGGTGCCCAGTGTCCACACTGACTAGTGGTGACG
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GATGTTATCACAAGATGGACAGAAACATTCCTGTTTGATTTATTTTTCAGACCCAGTTTGTGGAGAAAAAT
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TGAATCATCCACAAATAACAACAAAGATACTAAACAAAAAGCAGGAAAACTTAGCTTCATCAGCGTGGGAA
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Table3 4653
ACAAAATGGTCCTCTGAGAATTTTGTTCCTCTTTGTCATTGCAAAGAGATGCATTCTAGCTGGAT
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GTAACAGGGCAAATTTTTTTTCTTCTTTGGGACTTGAAGTATGGTGTTTTATAATTCACTGAGTGATTACA
GAGTGCCCAGAACTTTATGTAAATTATTTTTGTTTCTCATAACTCATCTGTGTAGTAGATATTAGTGTTCC
CATTACATAGATGAGGAAATAGAAGCTCAGCAACAAAAAGTAATTCATAGCTGGTAACAGAATTTGAACCT
ATGNNNNNN

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Table3 4654
NAGTCGACCCACGCGTCCGTCTGAGTATACTAATTATACAATTTTACTATTATATCTGACTGGCT
TTTAAATAGGTTTAACTAGCTTTCCTTATTTTAGCTGCCTTCTTCACCCACACTTCCAGAGGTACCTGGTA
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TTAGCATCCCCTGGGATTTTGTGTTTTAACAAGTTCTCTATATGATTCTGATGCACACTAAAGCTTCAGAA
TCACTGCTGTAGTATAAACTGTGATGGTTCTCAGCCTTCCCCACTGCTGGCTTAGGTGTTTGCTTTCTTGG
GTCTACTAAGTCAGTTAGTTCTTTATCTGTTTCCTTTCCAGTTTCCAAAATTTTTGTTGCTATCTTTTCCT
CTCCAGTTTTCCTCATATGTGTGAATTTATATCTTTTTTTAAAAAAATCTCTTTATTGTATAAGAGGCCAG
GTATGGTGGCTCACGCCTGTGGTCCCAGCACTTTGGGAGGCCGAGGTGGGCGGATCAN
Table3 4658
NNNNNNAATTTAATNTAAANACCCGTTTGGACACCAGGAAGGGTTCCAAAGACGGCAGCTCTAGG
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GGACCACACTGCTGTCACATTGCCCGAAGGTTTTCCTACAGCATCAGACTCTGCCACGAAGCAAAGCATTT
TCCACAAACTTCTCTCCATAGAGATATCTGGGGTAGCTAAGATCTACTGCAGGAGGAAGAAACGTGCTGCA
GATGAAGACAAACTCCTGACAAGGCCGAAGTCCCATTCTTCCCAGGCCAACACTTGCACAAACACCTGGTG
GCGTGAATTCCCACAGTATTTCACCTGCCAGACGGCACTGTCTCCACACCCTGGAATGAGTTCTTTCCTGA
GCAGGAGGGGCTCCAGGCCTTTTCGAATACAATACCGACAACTCCAGAAATGCAGGTGATTTACTGCCCTG
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CATGCTGGGGGGGTCACGTCAGTGACCTTTTTTCCTTTTTGGGTCAGAAGAGTGTTTTAATTACTCAAAGT
TGTCAAAATGGTGGCAATACCTCAGTAGCTCAGCAGGAAGAAGACTAGGTAATTTTGTGGCCGTACAAGTC
TGCCTAAGAGACAGAAGTGAGTTTTATAATCTACTTGGCCATTCCTCCCAGCAGAGAAGCAGCAGGTAGAT
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GAGGAGCTGGGACATGATTCTTTAGAGAAGAGAAGAGACAGGGAGCACAGCATGAGAATGGCCAGTCAACC
CATTTCAAATTCTTTTATTAAAGTGCCCCCCGAGGGGCCTTGCACAAAGATGATGGGGAGAGCAGAACTGC
TGCTCCTTGACAGAACTCTGATCCTTACACTTTGTTTGGAGTGGGCTTGGGGACAGTCACAAGCCATGAAA
CATGAATCCAAAATGGTCCCCAGATGAGCCATGGTGAACCAACAGATGCAAGCAACTTCTTAAACTGCTCT
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AATCCAGACTCTCACAGAGAACCCTTGAGCCACACAGGAAGACCACTGAAGACAACAGAGGAACTACTGGT
CCACAGAAACACTCAGTTTCATGAAAACACACTGATTCGGTTAGAAAATGCAACTTGGGAACAAACATTAC
ACAACAAAGACCCTCTGTCATGCAGGGCACTGGCCCGGATGCTGCCTGGGCTGTGTGGGCTGGAGGAGGTG
GGGACAACCCAGCCTGGGTGGGACTTGGACACAGAACTTCCTTAGCAGGGTGTTGGAAAGTCCCAGGCCTG
TTCTGTGGAAGGGGAATAAAAAACAGATTCAAGGAATGTCAAACACACNNNNNNNNNNNNNNNNN
Table3 4659
NNNNNNNNACCAGCCCACTGTGTTTCACCCCCCCGGCTTTGTGAAAACCCCTTCCCCGCCCTTGA
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TGTTTGACCAATTGTAAACTAGTTTATTTAAAGGAAGGGGATAAATGGGATGAAAGAAATCTTTATACTAT
ACTTACATATTCACAAAGAACATTTTACGTTTAAAATACTTTTTCATTCATAGTATCTTTGCCCAACTAAT
TTCTACCAGAAATACATTTTACTCATTTGTCTAGAACATTAAGAAGTACTCATCTGTTTTAAACAAAAATC
AAACCGAAACTATTCTTATCTGTCAGGTTTACAGTTATGTAGAAACTACAATATAGATGACAAAAGATGCA
TCTAACCATGTAACTGTAATTTATCTTTGATTTATCCAAGCAGAAACATCATTGTCTAACAATAAACCATT
ATTCTACTGAAATCAGAGACAATGATAAAGCTTGTCTCTTAAAAAACATCAACTTTTCAACTTTGATCAGA
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TACCTGATATAAAATAGGAAAATATACTCAATTTTTATTTAAAAGAAAGCTGAAAATATGACATCCCTCAA
TCTTATATAATATACAATATGCTAATAAATGCCATACATGTTAACAATACGTGAAATGCTGCTGAGAGTTC
CACAATCAGCTAATTCATGTCACCAGGCTAAGTAAATCTGACAATTTCACCTCAATATGTCACCCTTTGTA
CCCTGAAGAATTTATAGAATAATAAAGCTTCTCAGAATTTTATTTGTAAGATTTTTGAGACTGTTGAATCA
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TCATAATTTCAAAACAATCAATATCCCGCTAAGTATGAAACAAAAGAGAATGCACATTTTGTGTTAATTTT
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ATGGTGGATAAATTATAAAACAACATCATTTCTACTTATTATCTATGANN
Table3 4660
NNNNNNGTAGTTTTACTAGAGATGGGGTTTCACCATGGCCAGGCTGATCTCGAAATCCTGACCTC
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ACCTGGCACATAATGGACTGGTACTTAACAAGCAGACCATGTGTAGACCACCCATCCTGAACCAAGATTCC
TGGGCAAGGCTCTTAATTCATCTGTTACTGAACAAAAGCAAAACTGCTCCACACATGGGCCACATAATATA
GCCACTTGTTTATTTAAATTTTTGACCTATGTGATAAATCCTGATGCTCAGTTGTCTAAAAATGTCTTTGT
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ACAATCTTGGCTCACTGCAACCTCTGCCTCCTGGGTTCAAGTGATTCTCCTGCCTCAGCCTTCCGAGTAAC
TGGAACTAGAGATGTGCGCCACCACACCCGGCTAATTTTGGTATATAAGTAGAGACGGGTTCAGTTATGAT
ACCGCGAAGGTACGACTCGAATCGTATCAGGCATAGCTGTTCTGTGTGAAGCACCCCGAAAAAAAAACACA
CACANNNNNNNNNNNNNNNNN

Table 6
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Table3 4662

CGCGGGGTCCGGCGGTGTCCAAGCGGACCTGAGGAGTCGCGGCTGCGAGCAGGTTAGAGTTACTT
GTTATTGGTAAATAGCCACTATGGAGGCTAAGGACCAGAAGAAACACAGAAAGAAAAACAGTGGACCCAAA
GCTGCAAAGAAAAAGAAGCGGCTTCTGCAGGATCTCCAGCTAGGAGACGAAGAAGATGCCCGGAAGAGAAA
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CAAAAAAGCATCATATTCCAGTGGTTGATCGAACTCCACTAGAGCCCCCACCAATAGTGGTAGTGGTGATG
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CGAGATCAGAGGCCCTGTGACGATTGTGTCAGGTAAAAAGCGCAGACTCACCATTATTGAATGTGGGTGTG
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CACCCACCTCGACTCCTTCAAGCATAATAAGCAACTGAAGAAGACAAAGAAGCGATTAAAACACAGGTTCT
GGACGGAAGTTTACCCGGGTGCCAAGCTGTTCTACCTTTCTGGAATGGTGCATGGAGAATATCAAAACCAA
GAAATCCACAATCTGGGCCGTTTTATTACAGTTATGAAGTTTAGGCCTCTCACATGGCAAACTTCTCACCC
TTATATCCTGGCAGACAGGATGGAAGATTTGACAAACCCAGAGGATATCCGAACAAACATCAAATGTGACC
GGAAGGTGTCACTTTATGGTTATTTAAGAGGAGCACACTTGAAAAATAAAAGCCAAATTCACATGCCAGGG
GTAGGAGATTTTGCCGTGAGTGACATCAGTTTCCTCCCAGACCCTTGCGCTCTTCCTGAACAACAAAAGAA
GCGCTGTTTAAATGAGAAGGAGAAGCTGGTTTATGCGCCTCTTTCTGGAGTTGGGGGTGTGCTGTATGACA
AAGACGCTGTCTATGTTGACCTTGGTGGCAGCCACGTTTTTCAGGATGAAGTGGGGCCCACCCATGAGCTG
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GGAGGAAAATGCTGAGATGACTGATCAGTATATGGCTGTTAAGGGCATCAAACGACGGAAACTTGAGTTGG
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ATCTGGAGAAGTCTTTGCTGATGAAGAAAGCAGCTCTCCCCACTTTCGATTCTGGGCATTGCACAGCTGAA
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GATTCCAAAGAAACGTCAGGTGCCCTCAAGTGGAAGGAAGACCTTTCCAGAAAGGCAGCTGAGGCCTTTCT
GAGGCAGCAGCAAGCAGCTCCAAACCTCCGAAAGCTTATTTATGGGACAGTGACAGAAGATAATGAAGAAG
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CCAGTTTGAAGGGGGCTGAGGGCCAATTGCAGTGAGCCTTTGGACTGGAGGGACTGTCCCTGGATCTGCGG
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CTGCCTCAGTTTAATTATTTTGTCCTACAGAAATATCATTAAAATATTTTTTTGTTTAAAAAGAAAAAAGA
AAGAAAAAAAAAAAAAAAAGGGGAGGGCAGATAAAAAATACCAGAGGGGGAGCAAAATAGAGGACAACAGAT
TTTGTAAAAAGGGCGCACAATAGACAGAGTTAAAACAAAAAGAAGCGCGGAGATAAAAACTAGATANNNNN
NNNNNNNNNN

Table 6
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Table3 4663
ACGCGGGGACATTGGAGTGGGGTGGGAAGCCTGAGTCCTGTATTCACATGAACGAATTCAGGACA
CCCACCATACACTCAGCTCCTTTCTGAAAGTGTCCTCCCTTAGGCCTCTAGAAACGCCATGGACTTTAGGA
AGGGCCAAGTGACACCTTCCATGATGTTTGGTTCTGGTCCAGATGGATCTGGAAGACAAAGATTTGGGGAG
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Table3 4665
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CTCCCTCTGTGCCTGAGCTGTCTCATCTATGTTTTACTGTCTGCTCTTTCTGTCTGCTTGTTGTTAGAAGA
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AGCAACGAGGAGAACACGAAACACACGACGAN
Table3 4666
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GTTNTTAAAATACAGGAAAGAAAAGCTAGAGATTNTGATGCCACCTATTGGTAGACAGAAGTATAAACTGC
CCTTTCGTAN
Table3 4667
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TTTTTTCTCCTCCTACTCTCCATGNNNN
Table3 4668
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TGACATATAACATGTCTACTTGTTTATATATGTATTGTGTTTCACCAGCATTGAAATGTGACTTTCACGAG
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Table3 4670
NNNNNCCGCCCGGGCAGGTACCCCAGCTGATGATGTTCCACAAAAGAGCAAAACATACACAATCT
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CTCATGGTACANN

Table3 4671
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Table3 4672
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TAAATTCCAAAGAAGTCATGGAGGCCTGTGCATTTGAATTGTATATGCTAGTGAGGAAAAGATTTAGACAT
TTCAAGAGCAGGGTTGGCCAGGCGCGGTGGCTCACACCTGTAATCCCAGCACTTTGGGAGGCCGAGGAGGG
CGGATCACGAGGTCAGGAGATCGAGACCATCCTGGCTAACACAGTGAAACCCCATCTCTACNNNN

Table3 4674
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Table 6
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ATAAGGAAAGTATGTGAATATGGCTCTTGTAAAGGATTAACTATTGTAATTTTAGCTTATGCTCTGTATTC
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Table3 4675
ccttagttgctggctttgacctttatgttgctgagttttacacatctattttctcaactgccat
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ccttgcagagatgatggctggagtgagcagttaccagatactttagttgatgaatctgtttctgttactga
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CCCCTTACCCCACATCCAGCAGTGAATGAATCTTTTGCCCATCCTTCAAGGGCTTTTTCCCAGCCTGGAAC
CATATCAAGGCCAACATCTCAGGACCCATACTCCCAACCCCCAGGAACTCCACGACCTGTTGTAGATTCTT
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Table 6
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ACTACTGTTGACCCATATAGTCAGCAGCCCCAAACCCCAAGACCATCTACACAAACTGACTTGTTTGTTAC
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GACTCTTTTGGAACAAGTCAAACTGCCCATGATGTTGCTGATCAGCCAAGGCCTGGATCAGAGGGGAGCTT
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AACTGCCCAATAGTGATTTCTCACAAGCAACTCCAAATCAACAGACGTATGCAAATTCAGAAGTAGACAAG
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CAGCGAAGCAAACGGACTCAGaAGACGGGTGAGAAAGCAGCACCTCGCTCAAAGAAAAGGAAAAAGGACGA
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Table 6
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agtcgattacaattaactgggccgcgtttaaaacgtcttgactgggaa
Table3 4678
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Table 6
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ATAGATATATTTTATTTTTATTAAAATGGCAGTCTACATCATAATTGGCATTTCTCAAGACTGTCTTTACC
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NNNNNNNNNNNNNNNNNNNNN
Table3 4680
NNGGAGTGGGTGCTCGCGGAAGCGCTGCTCTCGCAGAGCCGGGACCCCCGGGCCCTGCTTGGGGC
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Table 6
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Table3 4683
NNNNNNNNNNNNAAAAATATTTCAAATAGGTTAGTTAGGAACAACTTTACTCAGAAGACGTATTT
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Table3 4684
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GGGAAACCGGCCCAAAAGAATTACTGTCAAAACTGTGTCCATGATGATCACCTTCAACCCAGATGTGACCA
CGGGGGACTTTGACATACCGGTTTTTGTGTCCTATGGTTCTGACAATATCTCCTTCAAGAGCAATCACTCT
CTTAATGATCTTCTGTTCTGGGTTTTTAGGAGACACCAATGATACAATGTCACCACGGTGTACTTCAAAAT
TCCTCACTTTCCAGTGGTTCAAAAGCACCACATCAGATGACTGGCTCCCCCCAGGATTCAAAGAAGGCTGC
ATCGATGCTCCTTCTACTCTTGCCACACAGGCGACCCGATCCAAGAAAGTCACTGCCACAGGCACCGCCAC
AAAGAAGCCTTTACAAAAGGCCTTGATGTATCTTTTCACCCACCCTTGTGACTGTGCCATACCCTTTCTCC
CGCTCTTCCTCGGTGAGAAGGGGTAAGTGGTTATTTTGTGCCCTCGCCCAATTTGGCCAAACCCCGCTGCG
CAGCGCTCAGCCCGGGGGAAAGTCCCCGCGGCAGACCCCCCCCGCGTACCTTGGCCGCTCTAGAACTAATG
GGATCCCCCGGGCN
Table3 4690
ATTGGAGCTCACCGCGGTGGCGGCCGAGGTACTTTGGTATGTTTTTGTCTTGAAAAGAGGTTTTC
TAGCTAGAAATTCGGGGCCCAGAAGGTCAAGGCTCCAGAGATCCCCTTCTCATCATCCTTCAGTTGTCTGA
GGAGACAGAGGATCACATGTGTCACAGTGAGTGCTGATTCCCCAGAATCTGCAGTCTTAAGCTCCCCTGCT
GACGCACACAGCCAGTTCTCTGCTTCATATTCATGTGACCCACTGTGAAGTGACAGGCAGCTGCCAATTCT
GTCATATAAGAAGCAGCTCTGCCCATGCAACTTTGAAAGTTCCTGCACTTCTCCATAGACTGCTCCTTCAT
GGAAATAAACACATCATCACACTGTGGGTGCCTAAGCTAAGTTTGTTTGCAGTTTGATGATGCCCAGCTCC
TTTTCAACTCAGCCTTAATTGGCACTTTAAGGGCCAGGATGAGGTTTCTCTCAGGCCAAGTCGAGATTTCC
AGATTTCCTTTTGTCCAAGGCTGACCAGTTTAGAAGTTATTCACATCCTTGTTTTAGTTCTTTCCTTCTTG
TCCTGGTACCTCTTCCTTTCCAGGATTATTTGCAGAGTCTGTGATGGCTTACTTGGTGACCAGACATGGGG
TGAGCTACTGGTATAGTCTGATTACTTTGACATCTATTCTGAACTGGTCATTGGCTGTACATGAGTTTTTG
TGCTGGTAAAGGAATATACTGGGAAGATTGGAAGGCACAGACTGGGAACTAATTCTGAGAAGAGAACTGCT
GAGTTACTGAAAGACCTTTTGGACCACCCCTAAATGGAGCATCTTGATAGATGGCAAATCCAGTGTTTCTT
AAACTTGTCCATGCTGCCCAGAGCCCACTGCCTTTTATCAGATGTGAGACTTCACTGCCACAGTGTCATCC

Table 6
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CACAGTTTCCTTCCCTGGACATTTGATAAAGGGAAAATCATTTCTTGTCCTTTAAGGCAGGGACTATTATT
TTTTCACTTTTCCACATACCCCACAACACCTAACATTGATTTACTCGTAGTAGGAGTTTCATACTGTTGAA
CTCTCTAAAGGCCATTTGTTCCAGGGCCTAGCTGGGCTTGTGAAGGACAACAGAGTCATTTCCTAAGGACC
CCAAAAGACAGCATGAAGGAAAAAATAATAATAAACTGCTGTTCACAGTGCCTTGAGTGTACCACCGTCCT
TTCTGCTATGCCTTGTCCATTCCAATCTGGACAGTCTCTGTGCCCCTCCTTTCCACTCAAGTGTTATCCAG
CACTCAAGTTCTGGCTCAAGGCCCAACATCTCCGTGGGGACCTCAGCCATCCCAGGGCATTGTGACCCCTT
CCTCTAAGTCCCCGGCACACTCGCTGATTGGTACCCTCTCATTCGACAAAGCATATGCCATTGTGGCTTAC
TTGTCATTTCTTTAGGTCTTGCCTTCCCAAGTAGATCATGAGCCACTATAAGAACTAGCTCCCATAGTCCC
AGCCCCTGGGCCTGGTACATGGCAATGCTTAGTGATTGGTGATTGAGGATAATGGTGGTAAAAGGATGTAC
CAGACACGTCATCTCCTGAAGAAGAATGCCCGAACAACCTGTCCTTGTTTTAATGTACTTTCTCTTTCTTT
CCTGTCCAGTTTTATTTCCTCTCATAGTAAACTGGCTAAAAAAATATGTCAAGTTTCCTGGTCATCTCTTT
CCAACCCCTTTTTCTTCCCCTCTCCCCTGCATGGTTGGTCTGGGCCTGTTGGGTCCAACTAGCAACTCCCC
TTAGGTGTGGCTAAATCTGCCTCATGGCCAAAGCCAATCCCATTTCCTGTCCCCCGTTACCCAAGGACTCC
CAGTCTGTATGCACAAGGCGGGTTGTGAAGTCTGCATGTGCAAGAAACCCCAGCTGTAAGAAACAGCTTCC
CTCGTTGGCATGGGTGGTCATGCTAATATTCCAGCATTTGAGAAGGTCGAAGTGGGCAAATCACTGGAGCC
AGGAGTTCGGGACTAGCCTGGGCACATAGAAGATTACTTTAAAAAAAAAAAAAAAAAAAAAAATTGTGCGC
GCGGCGAGAANN
Table3 4695
NNNNNNNNCAGGTACATATTTTTTAAAACTGGTTAGCGATAGCTACATGACCCAATTATATTTTC
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CATTTAGTCTGGCCACCTGTATCCAAGATTCATTTAAAACCAAGCAGCGGCCAGGCACGATGGCTCACGCC
TGTAATCCCAGCACTTTGGGAGGCCGAGGCGGGCGGATCACGAGGCCAGGAGATCAAGACCATCCTGGCTA
ACACAGTGAAACCCTGTTTC
Table3 4697
ccggcgcggttgaggccttcggtggtgaACGAGTCTCCAGCACCATGTCTGGTTTGTCTGGCCCA
CCAGCCCGGCGCGGCCCTTTTCCGTTAGCGTTGCTGCTTTTGTTCCTGCTCGGCCCCAGATTGGTCCTTGC
CATCTCCTTCCATCTGCCCATTAACTCTCGCAAGTGCCTCCGTGAGGAGATTCACAAGGACCTGCTAGTGA
CTGGCGCGTACGAGATCTCCGACCAGTCTGGGGGCGCTGGCGGCCTGCGCAGCCACCTCAAGATCACAGAT
TCTGCTGGCCATATTCTCTACTCCAAAGAGGATGCAACCAAGGGGAAATTTGCCTTTACCACTGAAGATTA
TGACATGTTTGAAGTGTGTTTTGAGAGCAAGGGAACAGGGCGGATACCTGACCAACTCGTGATCCTAGACA
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GAGCTGCGACGCCTAGAAGACCTTTCAGAATCTATTGTTAATGATTTTGCCTACATGAAGAAGAGAGAAGA
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TCATTGGACTAGCTACCTGGCAGGTCTTCTACCTGCGACGCTTTCTTCAAGGCCAAGAAATTGATTGAGTA
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AAGGCATCCTACCAACAGCACCATCAAGGCACGTTGGAGCTTTCTTGCCAGAACTGATCTCTTTTGGTGTG
GGAGGACATGGGGTACGCGGGGATTCCAGGCTCTTCTGTGCCTGTGGGACTACATTCTCTGTGCCGGGCTT
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GCTTTGCCTGCCCAGCCGCTCCATGCCTGGCTAGAGGAGAAGGAGGAGCCACATGTGGTACACTGGAGGCT
GGAGCCTGCAGATGGCATGGCTCTGCGGCTCACCTTGCTGCAGTTGGTGGTGGTGACAGAGACTGCAGCTT
GACTGTAGTGAATTTGGAAATTATCTGTCTGGAAGCTCTGAGTTTATCTTGGGACCTCAAGAGGAGAGGAT
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AGTAGCCAGAAGACATCGTCGCCCAAACCTCTAACAGCAGTTAGTGCGGCATCTCCACAGGGGGGAATGTT
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GCCAGCCATTAGAAAGTGGGTCCACCCAAACATGGCGATTCCTGTGGACTTCTTGCCCTTTCCCCACATTC
CTGGATACATGGACACCCCGAAGTATCCCCACCTGTGTAGAAGATCATGGTGCCCTGCATTTGCATATTAA
AAGGCTAGGGTGGGAGAGCCAGCTTTTCCTGCGGGCTACGTGAATGACATGCCTAGTCAAACCAATCCCCT
GAGCCTGTGCAAATCAGACACTGCCTCCTCCAGCCTCTGTATATATACCTAGCTGGTATCTGTGGCAGGTG
GGGTTCCCTCTCTTGGCTTTGGGGCCCCCTTCCTCTGTCTCTGTACCTGCCCgggcggCCGCTCGACTCC
CTGCTCCTCTCCCTATATTACTGATTGCACTGAACAGCATGGTCCCCAATGTAGCCATGCAAATGAGAAAC
CCAGTGGCTCCTTGTGGT
Table3 4698
ACTCTTTTACATTCCCACCAGCAGTGTATGAGAGTTCCAGATGTTCCTTTCTCTTTAGTTCTTGG
TATTGTCAGTCTTTTTAAATTTAGCCATTGATTAGATGTGTATTTGTATCTCATTATGATTTTAATTTGTG
TTTTACTGATGGATGATGTTGAGTATCTTTTCATGGGCTTATTGACCAAAAATGAGTGAGACTCCAnnnnn
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GGTGAAAAGGAGAACCCCATGCGGGAACTTCGCATCCGCAAACTCTGTCTCAACATCTGTGTTGGGGAGAG
TGGAGACAGACTGACGCGAGCAGCCAAGGTGTTGGAGCAGCTCACAGGGCAGACCCCTGTGTTTTCCAAAG
CTAGATACACTGTCAGATCCTTTGGCATCCGGAGAAATGAAAAGATTGCTGTCCACTGCACAGTTCGAGGG
GCCAAGGCAGAAGAAATCTTGGAGAAGGGTCTAAAGGTGCGGGAGTATGAGTTAAGAAAAAACAACTTCTC

Table 6
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AGATACTGGAAACTTTGGTTTTGGGATCCAGGAACACATCGATCTGGGCATCAAATATGACCCAAGCATTG
GTATCTACGGCCTGGACTTCTATGTGGTGCTGGGTAGGCCAGGTTTCAGCATCGCAGACAAGAAGCGCAGG
ACAGGCTGCATTGGGggcCAAACACAGAATCAGCAAAgGGGGGGCCATGGGCTGGTTCCAGCAGAAGTATG
ATGGGATCATCCTtcctggcgaataAATTCCCgtttttATCCAAAaGAGCAATAAAAAGTTTTCAg
Table3 4699
cGCGGTGGCGGCCGAGGTACTGCAGCCGCCTCAATATCCCCTTCCCCTTCATTGTCTTCGCTTAC
TTCTACATGGTGGTGAAGAAGTGCTTCAAGTGTTGCTGCAAGGAGAAAAACATGGAGTCTTCTGTCTGCTG
TTTCAAAAATGAAGACAATGAGACTCTGGCATGGGAGGGTGTCATGAAGGAAAACTACCTTGTCAAGATCA
ACACAAAAGCCAACGACACCTCAGAGGAAATGAGGCATCGATTTAGACAACTGGATACAAAGCTTAATGAT
CTCAAGGGTCTTCTGAAAGAGATTGCTAATAAAATCAAATAAAACTGTATGAACTCTAATGGAGAAAAATC
TAATTATAGCAAGATCATATTAAGGAATGCTGATGAACAATTTTGCTATCGACTACTAAATGAGAGATTTT
CAGACCCCTGGGTACCCACGGCAGAGTTCCAAGACAGGATATCGGGTGCATCTGAGAAAGACATCGTGCAC
TCTGGCTTGGCATACACAATGGAGCGTTCTGCCAGGCAAATTATGCGCACAGCCATGAAGTATAACCTGGG
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Table3 4700
NNNNNCCCCCCCTCGAGGTACTTCTAGAATTAATTAACGCGGGGGCCATTCTGGGGTTCGTTTAG
AGGTTTGAATTTTCTCGGAGAAAGACAGGCCGGCCACGAGGAAAACAGAAACAAGCCGCAGCAACATCTAA
GCCCTTGAAAGGATCCTGAGAGAGGGGGGAAAGGGAAAACAGCAGCCACCAGCCCAACCACTTGTGTCTTC
TGCCCCTTCCCACCTATCTTGCCCACCCCACCAGCCCACGCTGCTTGGGACTTGAAATCTGTGGCCGAAGG
ACCGTCACTACATAACTTCAAAAATAATCAACCACCCTCCCTTCCCAAACCACCCAAATTCACTCATCCAG
CGTTTACTTTTTTGAATCCACTCAGAACTTTTTTCTGCGACCCCCCTCCCTAAATGGAGTTGGGTGGGGGG
GAAATGAATACTGAGTTGGCCTTTATTTTTTAAAAGACTTTTTGATCCAATGAGGCCCCCTAAATAATTGA
GTTTTGGGTCCTGGTTGGTTGTTTTATTTTTTTTCCTCCAAAATTTTACCCCCTCCCCCCTGAGCCCGAGG
TGCTGACGTCGCAAAAAAATTGGATAAAACCACCATCATGGGTTCGGGTCCCATAGACCCCAAAGAACTTC
TCAAGGGCCTGGACAGCTTCCTTAACCGAGATGGGGAAGTCAAAAGTGTGGATGGGATTTCCAAGATCTTC
AGTTTGATGAAGGAAGCACGAAAGATGGTGAGTCGATGCACTTACTTGAACATTCTCCTGCAGACCCGTTC
ACCAGAAATATTGGTCAAATTTATTGACGTTGGCGGCTACAAACTTCTTAACAATTGGCTGACGTATTCAA
AGACAACCAACAACATTCCCCTCCTCCAGCAAATTCTACTGACCCTGCAGCATCTACCGCTCACTGTAGAC
CATCTCAAGCAGAACAACACAGCTAAACTGGTGAAGCAGCTGAGCAAGTCAAGTGAGGATGAAGAGCTCCG
GAAATTGGCCTCAGTCCTTGTCAGCGACTGGATGGCTGTCATCCGCTCTCAGAGCAGTACCCAGCCTGCTG
AGAAAGATAAGAAGAAACGTAAAGATGAAGGAAAAAGTCGAACTACCCTTCCTGAGCGACCTTTGACAGAG
GTGAAGGCTGAGACCCGGGCTGAGGAGGCCCCAGAGAAGAAGAGGGAGAAGCCCAAGTCTCTTCGCACCAC
AGCACCCAGTCATGCCAAGTTCCGTTCCACTGGACTAGAGCTGGAGACACCATCCTTGGTGCCTGTGAAGA
AGAATGCCAGCACAGTGGTGGTTTCTGACAAGTACAACCTTAAACCCATCCCCCTCAAACGTCAGAGCAAC
GTAGCTGCTCCAGGAGATGCCACTCCCCCTGCAGAGAAGAAATACAAGCCACTCAACACAACACCTAATGC
CACCAAAGAGATCAAAGTGAAGATCATCCCGCCACAGCCTATGGAGGGCCTGGGCTTTCTGGATGCTCTTA
ATTCAGCCCCTGTTCCAGGCATCAAAATTAAGAAGAAAAAAAAAGTACTGTCACCTACGGCTGCCAAGCCA
AGCCCCTTTGAAGGGAAAACGAGCACAGAACCAAGCACAGCCAAACCTTCTTCCCCAGAACCAGCACCACC
TTCTGAGGCAATGGACGCAGACCGTCCAGGCACCCCGGTTCCCCCTGTTGAAGTCCCGGAGCTCATGGATA
CAGCCTCTTTGGAGCCAGGAGCTCTGGATGCCAAGCCAGTGGAGAGTCCTGGAGATCCTAACCAACTGACC
CGGAAAGGCAGGAAGAGGAAAAGTGTGACATGGCCTGAGGAAGGCAAACTGAGAGAATATTTCTATTTTGA
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TGTCAGACCGACATGCATTTGAGACAGCGCGGCGTCTGAGCCATGATAACATGGAGGAGAAGGTGCCCTGG
GTGTGCCCCCGGCCCCTGGTTCTGCCCTCACCTCTTGTCACCCCTGGAAGCAATAGTCAGGAGCGATATAT
CCAGGCTGAGCGGGAGAAGGGAATCCTTCAGGAGCTCTTCCTGAACAAGGAGAGTCCTCATGAGCCTGATC
CTGAGCCCTACGAGCCCATACCCCCTAAACTCATCCCCCTAGATGAGGAGTGTTCCATGGATGAGACTCCG
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CCAGACTATTCGGACAAGATCAAGCAGATGCTGGTGCCACATGGACTCCTAGGCCCTGGCCCAATAGCCAA
TGGTTTCCCACCAGGGGGTCCTGGGGGCCCCAAGGGCATGCAGCACTTTCCCCCTGGACCTGGGGGACCTA
TGCCAGGTCCCCATGGAGGCCCTGGTGGGCCAGTGGGTCCACGTCTTCTGGGTCCTCCACCCCCTCCCCGG
GGAGGTGATCCCTTCTGGGATGGCCCGGGCGACCCTATGCGGGGTGGCCCAATGCGGGGGGGTCCAGGACC
AGGTCCTGGACCATACCATAGAGGCCGAGGTGGCCGAGGAGGAAACGAACCTCCTCCTCCTCCTCCTCCAT
TCCGAGGCGCCAGAGGAGGTCGCTCTGGAGGAGGACCCCCAAATGGACGAGGGGGCCCTGGTGGGGGCATG
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CCACGAAGGCCCTGGCGGTGGCATGGGAAGTGGGCATCGCCCCCATGAAGGCCCTGGTGGTAGCATGGGTG
GGGGTGGAGGACATCGTCCCCACGAAGGCCCTGGCGGTGGCATCAGTGGTGGCAGTGGCCATCGTCCCCAT
GAAGGCCCTGGCGGAGGAATGGGTGCCGGTGGTGGACATCGCCCCCACGAAGGCCCTGGCGGAAGCATGGG
TGGAAGTGGTGGACATCGTCCCCATGAAGGCCCTGGACACGGGGGGCCCCATGGCCACCGGCTTCATGATG
TCCCTGGTCACCGAGGCCATGACCATCGAGGGCCGCCACCTCATGAGCACCGTGGCCATGATGGTCCTGGC
CACGGGGGAGGGGGCCACCGAGGGCACGATGGAGGCCACAGCCATGGAGGAGACATGTCAAACCGCCCTGT
CTGCCGACATTTCATGATGAAGGGCAACTGCCGCTATGAGAACAACTGTGCCTTCTACCACCCGGGTGTCA
ATGGGCCCCCCCTGCCCTAGGGACCATTTGCCTGCCCTGTTCACACAACCCCTGTGGACTGCAGCCTCGCT

Table 6
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CTTTCCACCCTGTTATGGCTTCTGTGAGGCCCATTTTCCCTTTTCCCCAGCTGATGAGGAGCCGGCCCCCT
CAGTTCCCACTTGCTTGGGTTCCTGGGGGTTTTCTGATCACTGGTGCGCATTGATGTACATATTTTCCTCC
AGTCTGGGGAGGAGAGAGACTGGAAACGTTCCTGGACTGCTGAAGAGGAGACCCAGTTGGCTTCACTTTTT
GAGAAGATTCGCCCTGTACCCCAAACCCCTTTCCAGTATTACCCTTAATGCTTGAGAACCTAAAGCTGGTT
ATCCTGGCGAACACCCCTACCCTTCTATTGCGGGTCCCCACATGCACACAGAACTCTGACACAGGATCAGC
TGCACTTAAGAAATCATCCCAGCTAAGTTCATTATTCCTCATGGGGTGGGGAGATGCTGAAAGGGGTATTG
TATATCCCACTGCACTGAGAGGGCTCAATCAGCTGGATTTGAGTTCTGGAACACACATCATCCCCACCCCT
CCCCCAGCGTGGGCTCACCATTCTTAGTCCTTTCTCAAGTGGGACCTTCAACTTTCTGTGAACACCCAGTC
TGCGTCCTGGGTCTGCTAGGTTCGATGATGGCGAACTCGTATCTGCATCCGGTGCAAGTTTTAGCTGGCAG
AGGTGAGACCGGTGGTGCTGGTCTGCCTTTGCCAACTATAGCCAGTCTGGAGACTTGATAAAATACTTCAG
TGAGACCAGCTTCTCATCAACTTGGGCCCGGCGTGCTGGGCCTGAAAGTCACACTACATGCACTGCCTTTG
GGAGTCAGCTCACTCCCTGCTCCCACCTGGAACCTTGCCAGCGTGAAGGAGGCTTCCAGGTACTTCACCCT
GTCAACCACCTCTGAATCCCCACCAGGCGCCTTCCTGGGTGGATTCAACAAGATGATTTTGCCCTTTCCCA
GTTCTCTCCTTCACTTTGGCATCAGTTGTTTTCTATGAAAACAGTGGATTGGTTGGGTTTTGTGCAGGGTC
TTGGGTTAGAGCCAAAATGGATTTGAGGATGAGTATTTTTTTTTTTTGGTTTTGTATATTTTGTACATTAAT
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Table3 4701
NNACCCACGTGTCCGGTCACTGCGCCCGGCCAGGCTAAACTGTTTCAAAAAAAAAAAAAAAAAAA
ATTAGGATTCCAAAGAAAAAAAATACATCACCTGCAGATGGTGAAGAGAGAAAGGAAGCTTTTTCTCTAAA
AATGGTGCAGCTATCCTCTGAACCAATTTCCTTCGGTTTAATGTACCTGTATCTTGGGGTTTTTTTCCACT
TAATTTATCCTGGAGCTCTTTCCATAACAACACTTGGAAAGCACTCTCATCCTTTTTTCACTGCTGAACAG
AATTCCACTGTGTGGATGGAACATACTCTATTTCACCAGTCCCCTGTAGCCAGTCACTTGGTTTGTTTCCA
ATCTTTTGCTTTTTCAGAGTAATAACCTTGTATGTCTATCATTTTGTATGCATACAGGTTTATATGTAGGA
AAAATTCCTAGAGTAGGATTGCTGGACCAATGGATAAAAGTATATTGTGGACAGACAATGCCAAATTGCCT
TTCAGAGACTGTGGCCCTGTGCACCCCATCAGGCATGTGTGACTACCAAAGCTCCTGTCAGCTGTTTTATT
TTATCTCCTTTCCAGTCTCAGGCTCAATGCAGAACTTTGAGGTAAGCTTTTCTAAAATGTAGGCTCCTAAA
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TCCTGCACAGATATATTTTCCACATTCTGGGAAACCGTGAAGCTTCCAGAGCCACAATTCCCCAGAAACAC
ATCCCCCTGTGGTACAGCCAAGCCCCAGAACAAGCTGTGCTTGCCTGGCACCTTAAAGCCAAGCACCATGG
ATGCCACTTGCCATGGGTGCCTGCAATTTCAAATAATGAGAAATAAGAAATTTCAGCTTCTCAGCCCTCTA
GCCACATTTCAGGTGCATGACAGCCTCAGTGGCAAGCAGCTACTCTGCCGGACAGGGCAGAAGATGGAACA
CCCCATCCCTGGGGAAGATCCCGAGGTCAGGAGATCAAGACCATCCTGGCTGACACGTTGAAGCCCCGTCT
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GGCGGGAGAATGGCGTGAACCTGGGAGGTGGAGGTTGCAGTGAGCCAAGATTGCGCCACTGCACTCCAGCC
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Table3 4702
NGTCAGTGGGGTATCAAGCCGCCAAACCTGATGCCCTCACCAAGTTGGAACAAGGAGAACCACTA
TGGACACTAGAAGATGAAATCCACAGTCCAGCCCACCCAGAAATTGAGAAAGCTGATGATCATCTGCAGCA
GCCCTTGCAAAACCAAAAAATACTGAAGAGGACGGGACAACGCTATGAACACGGAAGAACTTTGAAATCAT
ATTTAGGTTTAACCAACCAGAGCAGAAGATACAACAGAAAGGAGCCTGCTGAGTTTAATGGAGATGGAGCT
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CAAGTCACAATTCCTTAAACATCAGCAAACACACAACATAGAGAAAGCCCATGAATGCACTGACTGTGGGA
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AGCTTGTGTGGGAAAGCCTTCTACAAGAAGTACAGGCTCACTGAACACGAGAGAGCTCACAGAGGAGAGAT
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TCTGGAAGAGTCTTTTCTCAGAGACATCTTTGAAACATGAATTCTCTTTTAGCTTAGTGTTCANAACTATT
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Table3 4705
NNCAGATTCGGCATATGTAGGACAGGGTACAAAGGATGTTGAGACAGCCTTAATTAAATAACGCA
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TATCATCTGCATTCATGGAAGCACAAGAACTTCATGCCTTGACTCATGTAAATGCAATAGGATTAAAAAAT
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GGCCACTCAGGAGGCAAGAGTTAATCCCAGAGGTCTATGTCCTAATGTGTTATGGCAAATGGATGTCATGC
ACGTACCTTCATTTGGAAAATTGTCATTTGTCCATGTGACAGTTGATACTTATTCACATTTCATATGGGCA
ACCTGCCAGACAGGAGAAAGTACTTCCCATGTTAAAAGACATTTATTATCTTGTTTTCCTGTCATGGGAGT

Table 6
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TCCAGAAAAAGTTAAAACAGACAATGGGCCAGGTTACTGTAGTAAAGCAGTTCAAAAATTCTTAAATCAGT
GGAAAATTACACATACAATAGGAATTCTCTATAATTCCCAAGGACAGGCCATAATTGAAAGAACTAATAGA
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TCTTACTGGTAAAAGGAACAGCCCACATGAAGGAAAACTGATTTGGTGGAAAGATAATAAAAATAAAACAT
GGGAAATGGGGAAGGTGATAACGTGGGGGAGAGGTTTTGCTTGTGTTTCACCAGGAGAAAATCAGCTTCCT
GTTTGGATACCCACTAGACATTTAAAGTTCTACAATGAACTCACTGGAGATGCAAAGAAAAGTGTGGAGAT
GGAGACACCCCAATCGACTCGCCAGTCTACAGGTGTATCCAGCAGCTCCAAAGAGACAGCAACCAGCAAGA
ATGGGCCATAGTGACGATGGTGGTTTTGTCAAAAAGAAAAGGGGGGGATATGTAAGGAAAAGAGAGATCAG
ACTTTCACTGTGTCTATGTAGAAAAGGAAGACATAAGAAACTCCATTTTGATCTGTACCNN
Table3 4707
CaGGAGAtCGAGAccaTCCTGgccAACATGGTGAAACTCTGTCTCTACTAAAAAATACAGAAAAT
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ATGGGATGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCCTGGTGACAGAGCGAGACCCC
ATCTCAAAAAAAAAAAAAAAAAGTTGTATGTGACAGCTAACCATAATAAAAAAAAAGAAAGAAAAAGAGAG
AGAAAGTAGGGACAACACTAAATCATTAGTAATTTGAGCACATTTCCTCCAAGGCATATGCTATTTTTCAA
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AAATCATGTAATACTTCATTAGTATGTATTATTCCACATAATAGTCCTTTAGGTAGATGTACCATACTTTA
GTTTACTATTCCAGCCAGAGAAAAGTACTGATGTGCTTATGGGCAACTGGAAATAAGCTAGTGTTAGAAAT
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CAAGTCCTTGTCACAGCTGATCTTGAACATAGCCAGCACCCGTGTTCTGATCTGTTTGGTTTTGGCACCAT
AGATGATGGGATTGATGACAGGAGGCAGCAGCAGGTAGATGTCACCCATGACAACACGCACAATGGGATGA
AGGCTGTTTCCAAAGCGGTGTACCTGCCCGGACCTGcccGg
Table3 4715
NAATTTATAGTCAGGTCCTTGTTCTGTGTGGCCCAGGCTGGAGTGCAATGCAATCATAGCTCAAT
GCAGTCTTGGACTCTGGGGCTCAAGCAATCCTCCTGCTTCGGCCTCCCAAGTAGCTAGGACTACTGACAAG
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ACTGTGCCTGTCCAAAACTTTATTTTTAATGACAAAACCTATTTTCCTATAGCTCTGCTTGGAATGCTGTA
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GCTATAGGCAGGGTAGATCTCAGTATTTCATATTTTACTTGTGGCAGAGACAGTGTTAACCTTTCTCTCAT
GGATAGCGGATTCATTGAGACAGATTTTAACTAAGAGCTATGATGATTTATACCTGAACTCCAAATTGAAT
CAAGAACACACAGTAACAAAAACTCCTCACNN
Table3 4717
ACTAAAGTGTGTAATACATGTTCAACTTTTCATTTGATTAAAAGAAGTATTATTTAATACATTCT
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GGCCAGGTAGGGCTCGTAGATGACCGAACGGAATATCCACCTCCAGCGCTGCTCATTCTGCCTAAGGATCC
CTTGCCTGGCCACGCCAAAGGCCACCATCCACACCGCAAAGAGGAACAGGAAGAAGAACACATCGATCAGC
ATCCTCTGCAGCATTATAATCTTGGGTCCTAAGTTTCTGCTTACAGTAAAAATGTGGATCAATCTTAGAGT
GAAAATAATGTAGTCCAGACAGAAAATGACTCGTCCAGAATACAAAGAGCTTTTATTAGAAGAGTGGAGCC
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TTCACCCCATTTACGTACCTGCCCGGGCGGCCGCTCT
Table3 4719
NNNCTTGCGGCCGCGGGCCAGGTTCTATCTCCTCATCCAGGGCTTGCGGGCGAGGCCTGTTTTAA
GTCTCCAGTAACCGAGCGGAGGCCCGGCAGGCGCGACCCGGGCTGCGTACGTCAGAGCTGCCTCCGAAGTG
GTAAAATGTGCTGCGAGAAGTGGAGCCGCGTGGCGGAAATGTTTCTCTTCACTGAGGAGCGGGAGGATTGT
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GTACTGCAGAATCACATGACAGCAAAGGCATAGGCCTGGATGAAAGTGAACTTGATTCTGAGGCTGAACTC
ATGAGAAGTATGGGATTGCCACTTCAATTTGGTAGGATAACTGCACATAAGGATTTTGAGGTATCTATGAA
TACTAGAAATAAAGTTAAAATAAAAAAGAAAAAACATCAAGAGAAATACTTAGATGAAATTGTGCAAGAAT
CTCGGAGAAAAGAGTATGAAGAAGACGACATTTTGGCTTCAGATGATCCATCTTCAATTGAACAGTATGAG
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ATCTCCAAAGCTAGAAATTACAGAGAAATGGGAAAAGTATTGGAATGAATATGGAGGAGGACTATTGTGGC
AAAGTTGGCAAGAAAAACATCCGGGTCAAGCACTATCTTCTGAACCTTGGAACTTTCCTGATACAAAGGAA
GAATGGGAGCAACATTATAGTCAACTTTATTGGTATTATTTGGAACAATTTCAGTATTGGGAAGCTCAGGG
TTGGACTTTTGATGCCTCGCAAAGCTGTGATACAGATACTTACACATTTAAAACAGAAGCTGATGACAAGA
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GGGAATACAAACACAGACCCACCAGCTGAGGATTCACAGAAGTCTTCAGGAGCAAACACAAGCAAAGACAG
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ATATAGGAGTTTCTATTTTTTTATTAAAATGGCAATGAAAGCAAGAGAAAAAAAAAAAAAAAAAAANNAAA
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CCNNNNNNN
Table3 4721
AGGGAGTCGACCCACGCGTCCGACCGGGAGTTTTTGCTCTTGTTGCCCAGGCTGGAGTGCAGTGG
CACAATCTCGGCTCACCACCACCTCCGCCTCCCGGGTTCAAGCGATTCTCCCGCCTCAGCCTCAGAAGTTG
CTGGAATTACAGGTATTTTTTCTAAATGTGAGATCAAGGAATTACCACCAAAAAAGGAGAGTAATACAGGA
GAAATATTCCAGACAGTAATGTTGGAAAGACATGAAAGCCACGACATACAAGATTTTTGCTTCAGAGAAAC
CCAGAAAAATGTACATGACTCTCAGTGTCTGTGGAAACATGATTGAAGACATTATAAGCGAGTGCGTGTGA
CCTATAAGGAAAGTCTCATTGGTAGAAGAGACATGCATGGTAGAAAGGATGATGCACAAAAGCAGCCTGTT
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ATATAAATATGATCACATGGAAAAATCTGTCAACAGTAGTTCCTTAGTTTCCCCACCCCAACGTATTTCTT
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TAATGAATGTGGCAAGGTCTTTAATCAAATTTCACACCTTGCACAACATCAAAGAATTCATACCGGAGAGA
AACCTTATAAATGTAATGAATGTGGAAAGGTCTTCCATCAAATTTCACACCTTGCACAACATCGGACAATT
CATACTGGAGAAAAACCTTACGAATGTAACAAATGTGGCAAGGTGTTCAGTCGCAATTCCTACCTTGTACA
ACATCTGATCATTCATACTGGAGAGAAACCTTACAGATGTAATGTATGTGGCAAGGTCTTCAGTCACAAGT
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ATGTGGCAAGGTCTTCAGTCGCAATTCATACCTTGCCCAACATCTGATAATTCATGCCGGTGAGAAACCTT
ATAAGTGTGATGAATGTGACAAAGCATTCAGTCAAAATTCACATCTTGTACAACATCACAGAATCCATACT
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GAGAATTCATACTGGAGAAAAAGCTTATAAATGTAATGAATGTGGGAAGGTCTTCGGTCTAAACTCATCCC
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CAAACTCTTCCGCGACAATTCATATCTTGTACGTCATCAGAGATTTCATGCCGGAAAGAAATCTAACACAT
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AAACTTTGCAAGTATAATGAATGTAGCAGAGCCTTTAGTTTTTGTTCAAGGCTTAATAACCGTTAGCTAGA
CCATAGAGGACAGAAACTTTACTAATGTACTGAATGTGGCAAGGTCTTAAGGTAAAATCTGAGACCAGGAT
TTTTCAAAGAATTCTTGCTGGTGAGAAACCTAACAAATGTAATGAATGTGGCAAGGTCTTCTGGCACAATT

Table 6
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CTCACATTGTACAATATTGCAAAAATTCATGCTTGAGAGAAACAAAAACACTGAGAGTGGGAAACCATTAT
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AAAACCCGGTAGAGGGGAAAAACCCCGGGTTCCCCCCATTTAACCGGGTGAAAGAAAAAAGGATTTTGAGA
AGGTGGATAAAAAAGAAAAAGCCCCCCCCAAAACCCCCTCTCCAAATTGGCCCCCCCCNNNNNN
Table3 4722
NNAGCGGCCNATACGGCGCCTACTACTACTACTATGCTGCGAGAAGACGACAGAAGGGTCGATGT
CGACGGTATCGATAAGTTTTTTTTTTTTTTATTTTTTTTCTCGAGAGACAGGGTCTTGCTCTGTCACCCAG
GCACAGCTTACTGCAGCCTTGAACTCCTGGGATCAATCAGTCCTCCTGCCTCAGCCTCCCGAGTAGCTAAG
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GCCCAGGCTGATCTCAAACTCCTGGCCTCAAGCGATCCTCCCATCTCAGCCTCCCAAAGTGCTGGGATTAC
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GAGGCCTCCTCTGCCTGGAAGAGATTACAGGGAAATTCCAGGCAGCCCTTGTCAATTGTTTTTATGAATTC
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ACCTAGAGCACATCTGGATCTCAGCCCCACCCCTGGCAACCTGCCTGCCTAGAGAACTCCCAAGATGACAG
ACTAAGTAGGATTCTGCCATTTAGAATAATTCTGGTATCCTGGGCGTTGCGTTAAGTTGCTTAACTTTCAT
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CCTCTTTATGGAGCCAGTGTTCCAACCTAGGTTTGCCTGATACCAGACCTGTGGCCCCACCTCCCATGCAG
GTCTCTGTGGGGTCTTTGGGATGGATCTCCTAGGGCTGGGCTGGAAGCCTCTGTCTGTTGTCTCTAGTAAC
CACCCTGAAGAGAAGGGGTGGCATCAGGAACCGCGGACCGCAGCTTTGTCCGGGCGCCTTCCGTATTGTGC
CCATCTGGTGGGCTTAACCCTCCCACCCGGAGCGCATCATAAAACACCGAANN
Table3 4723
CGTCCGCTTTTAAAATTTTAGTAAAAAACTATATTGGAAAGGATGGTTTATTCATTGCATTTTTT
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CATGGATTTTCTTTCGACTTTTTATACTTATTCATGTCAATATACATGTTTCTAAATGTCAGCATATAAAA
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TTCAGTGTAGGTCTCTAGGGAGATAGGCTGGAATACACCTGTGAAGATGAAGTCTGCCTACTGGGGACTGG
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TGTATATGNN
Table3 4724
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TCTCTTAAGGCACAAAACCTGATAGACGGCATTTAACTGGTGGCCTGCACCTCTGATTTGGATTTTAAAAA
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TACATAGTCcagGACgcgtgGTCgatCctatAT
Table3 4726
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AGGTGAAACAGCAATGAAACAGGCACAGCATCAGAAAACCTTCAGTGTTTCTCTGCAGAAACAAAATAAAA
TGAAATTTGGGAAAAATATGTATATAAATCGTGATAGAATTCCAGAGGAAAGGAATGAAACTGTATTGAAA
CATTCACTTGAAGAAGAGGATGAGAATGAAGAAGAGATCTTAACTGTTCAGGATCTTGTTGATTTTTCCCC

Table 6
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TGTTTATCGATGTTTGCACATTTATTCTGTTTTGGGTGACGAGGAAACATTTGAAAACTATTATCGAAAAC
AAAGAAAGAAACAAGCAAGACTGGTATTGCAACCCCAGTCGAATATGCATGAAACAGTTGATGGCTATAGA
AGATATTTCACTCAAATTGTAGGGTTCTTTGTGGTAGAAGATCACATTTTACATGTGACCCAAGGATTAGT
AACCAGGGCATACACTGATGAACTTTGGAACATGGCCCTCTCAAAGATAATTGCTGTCCTTAGAGCTCATT
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CAGGGTTATGGTTTTCCAGTGAAACCGACTTTTTTGACCTTTTATTTGAAATAAGAGGACCAATAGCAATG
AAACACTGCGTTAAGAAATGGGCGGGGTTTCACGGACACTTTTCAGAGACGATATTACACGGCCCTACCGG
TGTCAGGAGAAGAATATTAAATTGGCTCCAGCATTCTTTAAATACAAACATTAAAGAGGTTCAAAAATTCC
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AGANNNNNNNNNNNNNNNNNN
Table3 4727
AGGGAGTCGACCCACGCGTCCGGAGCTGAATCACCAGAATGGGGAACCCACGGAGGTAGAAGATG
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ACTTTAGAGGCCATTAGCCTAGCAGTTGAGTAGGAGCTGTCACTGATCCTGGCATCATCATCATCTTTGATG
TGTGACCCTATCCAAGTTTTGGTTTTCATGGAGTTAAAGGTTATTCCCCTTGCATTTTACAGCCCTGATTT
TGCATTTGCCAACCTCTTTCAACTAAGTTCATGTCATCTTTTCCCATGGAGTTTCACTATGCATTGTCAGA
CTGCTGGTTAGGCCTCCAGACCAGGTCCATCTTCTCCCTTTTTCTCTAGCATGGCCTTGCCCTTTCCACAG
CCCTGAGCCTATGCCTGGCCTGGGTACCTTAGCCCCTTGCCTTTCCTTCCCTGTTTGAAGCCTGCCCAAGC
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GAAAATAAAAAGCTATTAATTAGCAGGAGACTTAATCACATGAAGAATTTCAATTAGATATTTCTTCTACG
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TTTTTCAGGTTTTGAGTTCAAGAACGAGATTAAAAAAGAAAATCTAAAATGGGATGATTCAGAGGAAGTAG
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CTCAGAGTGTGCACTCTCCCCACAAGCCAGCGCTCAAACTGGAAAAAGTATCTCAATGTCCTGAATGTGGG
AAAACCTTTAGCCGAAGTTCTTATCTTGTTCGGCATCAAAGAATCCACACAGGCGAGAAGCCTCACAAGTG
CAGTGAGTGCGGGAAGGGCTTTAGTGAGCGCTCCAACCTCACTGCCCACCTACGAACTCACACAGGGGAGA
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CCCACTTCAGTGCCCACCGAAAAACCCACACTGGTGAAAAGCCTTACAGGTGTTCTCACTGTGAGAGAGGC
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TCTGCTGTGGAGAGATCTAGCCAGTCCCTGACTTTGCAACAGACCTACTGACTACTGGATCTTAAGACCCA
TGTCTAGGACCAGGAGTCAGCATAAGGACGCTGACCTCTCCTGGCTGTGCCTGTGACTCCAGAGTCCTATC
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CCTGTTCCTAGCACTGAGAATGGGCACCCAGTGGTCCAAGAACACTTTCTGGGCTAACATAGTCCTCACAC
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CACAAANNNNNNNNNNNNN
Table3 4729
NCAGGTAGTCTGCCTGCCTTTGNCATCCCACAGTGCTGGGATTACAGCCGTGAGCCACCATGCCT
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CTATTTTACCCCAAAATTGTATTTATTAATTTGGCTTTCCCATTTGAAAAAACAAATTGATCTTAGCATGG
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GCTTGAGGATATCATGTTATCCCTGGGATGAGATATCCTTCCCAGGCCTAACATTCTGATTTAACAACACT
TTCACTAAAGCCTTTGGCCCCACCTTTGGCTCCGGTGCATTAATATATTGAGCTATATGATTAAAATTGAA
CTATTTTATCCTAGATGGGAAAGTATCAGATGGGAATTCCGTTTAGGNCATAATTAAACN
Table3 4731
NNNNNNNNNNNNNNNNNAAAGCATTTAATTCTTACCACAGTCCTTTGACATCTTATTATCTCCAT
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TAAAGGCAAGAAAAACAGACCCTCCTCTACCCACCATCCTCATACACAGCCTTCCAGCCCAGGATCTGAAC
CATTTATTCATTTTCTCTCATATTCATTCATTCATTCAATTCTTCATCCACATTTAGTGAAGCTCTGCCGT
GGAATGTTCACACAGAAGGTACAAAAATGAGGCAGGTGTATTTTCTCCCATCTAACAGGCAGCGCCCGCCA

Table 6
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CCCTGTGGGCGCCCCTTGGGGGCCCCCTTGTGGGCCCCCCCCCTGGGGGACTATGCCTCTGAGAGACATTT
TGTTTCTTCCCTTCTTGAGCCCCACCACAACCCAGAATTCATGTGTCCAGGTGTCGGGGAAAAACTCGTGT
TGTACTGAAAGTGGACCAGTGTTACCCTGAAGCTACCAGACCCATAACTCTTCTTCACAGGGAGCTCCTGC
CAGCCCCCTACAGAAAATGAATTGCTTGAAATTTCGTGGATTTGCAATAACCAGACCTTCTTCCATCTAAA
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ACACATGCCACCTTTTTCCTAGAACTCTGCAAGGCAAATTGCTGTAAGACAGGCAGAGGAAGCACAATATA
TATATATATCCAAAATATAATTTGCAGTGAAATAAATGAAAGCAAATTATAAATAAACTTACCTGATTTTA
CAAACTAACCTTTAAAGGGATTTCTACTAATTTTTCTATTGCCTGAATTGCCCTTTCTTCTAGATCCAATT
TATATTTTTGTACTTCACCAATGTGTCTTCACCATTGTGCAGTTTCCATGTTTTTTAAGATTTAATATTAC
TTCTTCCAACATCTTTTTATCCTCCTCCAGTTTTTTATATTCTGGTTGTACTTTTTTCATAGATAATAACT
CCTGTTGAATAACTTCTTCTTAGTCAAATAGACATATTTTGAAGATACANN

Table3 4732

ACCTCAGTTGGAAATGCAGAAATCACCTGCCTACTGCATTGATCTCGCTGGGAGCTGCAGACCGG
AGCTGTTCCTATTCAGCCATCTTGCCAGCAGGTATTTCTTTATAGCAACACAAGAACAGCCTAATACAATT
TCCAGTATCAACGGGCTGTTACAAGTTCCCCCTACCCCTTCCCAGTGGGATGGAGACAGTGGAGTGTCTAA
ACTTTCAACATCGTCCAGAAGTAAAGAGGCCACTCGCTCCCTCTTCCCTCTGGTGTCAATGGAGGCCATGT
GGAGAACAGTAATGAGACACTCCTATTCTTTCCAACTAGGATGGGATCAGTAGAGGCCTAGTGGGGAGCCA
AAACTCCTAGTCCCACCATGCAGTAACAAGGAGGCCCCCATCCCTGGTGCCAGTAAAGGCTGAGTGGGAAC
CTAGACTTCTACCTCCAGTTGGTAGTAACAGGGGAAGTGCCTCCCTGCGCTGCCTCTTTTAGAGCAGCGTC
AGAGAAAGCCAGCTAAAACAGAAAGTCAAAGTAATATCCAGACTCTCATAATATCCAAAATGTCCATGTTT
TAATAGAAAATCACTCATTATGCCAAGATCCAGAAACATCTCAATTTGAAAGAAAAAAAAAGACAATTAAT
AGATGCCAAAGTCAAGATGACAGAGATGTTGGAATTATCTAACAAAGATTTTACAGCAGTTCCTCTACCAA
AGT

Table3 4733

ACGCGGGGGTTCCTCTTGGTAGGTGCTTCTCTCCCAGACTAAAATCTGATTCTCAGCACAAATCT
CGCCTTCTATTTACTCAGCTATTCCTCCTCTTTAGAAACAAAAGAAATTAGTGGATGCTGGGCTTCAGAAA
CTCCTGACCATGGATCCAACCAAGAGAATTACCTCGGAGCAAGCTCTGCAGGATCCCTATTTTCAGGAGGA
CCCTTTGCCAACATTAGATGTATTTGCCGGCTGCCAGATTCCATACCCCAAACGAGAATTCCTTAATGAAG
ATGATCCTGAAGAAAAAGGTGACAAGAATCAGCAACAGCAGCAGAACCAGCATCAGCAGCCCACAGCCCCT
CCACAGCAGGCAGCAGCCCCTCCACAGGCGCCCCCACCACAGCAGAACAGCACCCAGACCAACGGGACCGC
AGGTGGGGCTGGGGCCGGGGTCGGGGGCACCGGAGCAGGGTTGCAGCACAGCCAGGACTCCAGCCTGAACC
AGGTGCCTCCAAACAAGAAGCCACGGCTAGGGCCTTCAGGCGCAAACTCAGGTGGACCTGTGATGCCCTCG
GATTATCAGCACTCCAGTTCTCGCCTGAATTACCAAAGCAGCGTTCAGGGATCCTCTCAGTCCCAGAGCAC
ACTTGGCTACTCTTCCTCGTCTCAGCAGAGCTCACAGTACCACCCATCTCACCAGGCCCACCGGTACTGAC
CAGCTCCCGTTGGGCCAGGCCAGCCCAGCCCAGAGCACAGGCTCCAGCAATATGTCTGCATTGAAAAGAAC
CAAAAAAATGCAAACTATGATGCCATTTAAAACTCATACACATGGGAGGAAAACCTTATATACTGAGCATT
GTGCAGGACTGATAGCTCTTCTTTATTGACTTAAAGAAGATTCTTGTGAAGTTTCCCCAGCACCCCTTCCC
TGCATGTGTTCCATTGTGACTTCTCTGATAAAGCGTCTGATCTAATCCCAGCACTTCTGTAACCTTCAGCA
TTTCTTTGAAGGATTTCCTGGTGCACCTTTCTCATGCTGTAGCAATCACTATGGTTTATCTTTTCAAAGCT
CTTTTAATAGGATTTTAATGTTCTAGAAACAGGATTCCAGTGGTGTATAGTTTTATACTTCATGAACTGAT
TTAGCAACACAGGTAAAAATGCACCTTTTAAAGCACTACGTTTTCACAGACAATAACTGTTCTGCTCATGG
AAGTCTTAAACAGAAACN

Table3 4734

NNNNNNNCNAGTGGTCTGCTTTTATTCAGTAGAGTATTGTAGAGATTGTATAGAATTTCAGAGTT
GAATAAAAGTTCCTCATAATTATAGGAGTGGAGAGAGGAGAGTCTCTTTCTTCCTTTCATTTTTATATTTA
AGCAAGAGCTGGACATTTTCCAAGAAAGTTTTTTTTTTTAAGGCGCCTCTCAAAAGGGGCCGGATTTCCTT
CTCCTGGAGGCAGATGTTGCCTCTCTCTCTCGCTCGGATTGGTTCAGTGCACTCTAGAAACACTGCTGTGG
TGGAGAAACTGGACCCCAGGTCTGGAGCGAATTCCAGCCTGCAGGGCTGATAAGCGAGGCATTAGTGAGAT
TGAGAGAGACTTTACCCCGCCGTGGTGGTTGGAGGGCGCGCAGTAGAGCAGCAGCACAGGCGCGGGTCCCG
GGAGGCCGGCTCTGCTCGCGCCGAGATGTGGAATCTCCTTCACGAAACCGACTCGGCTGTGGCCACCGCGC
GCCGCCCGCGCTGGCTGTGCGCTGGGGCGCTGGTGCTGGCGGGTGGCTTCTTTCTCCTCGGCTTCCTCTTC
GGGTGGTTTATAAAATCCTCCAATGAAGCTACTAACATTACTCCAAAGCATAATATGAAAGCATTTTTGGA
TGAATTGAAAGCTGAGAACATCAAGAAGTTCTTATATAATTTTACACAGATACCACATTTAGCAGGAACAG
AACAAAACTTTCAGCTTGCAAAGCAAATTCAATCCCAGTGGAAAGAATTTGGCCTGGATTCTGTTGAGCTA
GCACATTATGATGTCCTGTTGTCCTACCCAAATAAGACTCATCCCAACTACATCTCAATAATTAATGAAGA
TGGAAATGAGATTTTCAACACATCATTATTTGAACCACCTCCTCCAGGATATGAAAATGTTTCGGATATTG
TACCACCTTTCAGTGCTTTCTCTCCTCAAGGAATGCCAGAGGGCGATCTAGTGTATGTTAACTATGCACGA
ACTGAAGACTTCTTTAAATTGGAACGGGACATGAAAATCAATTGCTCTGGGAAAATTGTAATTGCCAGATA
TGGGAAAGTTTTCAGAGGAAATAAGGTTAAAAATGCCCAGCTGGCAGGGGCCAAAGGAGTCATTCTCTACT
CCGACCCTGCTGACTACTTTGCTCCTGGGGTGAAGTCCTATCCAGATGGTTGGAATCTTCCTGGAGGTGGT

Table 6
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GTCCAGCGTGGAAATATCCTAAATCTGAATGGTGCAGGAGACCCTCTCACACCAGGTTACCCAGCAAATGA
ATATGCTTATAGGCGTGGAATTGCAGAGGCTGTTGGTCTTCCAAGTATTCCTGTTCATCCAATTGGATACT
ATGATGCACAGAAGCTCCTAGAAAAAATGGGTGGCTCAGCACCACCAGATAGCAGCTGGAGAGGAAGTCTC
AAAGTGCCCTACAATGTTGGACCTGGCTTTACTGGAAACTTTTCTACACAAAAAGTCAAGATGCACATCCA
CTCTACCAATGAAGTGACAAGAATTTACAATGTGATAGGTACTCTCAGAGGAGCAGTGGAACCAGACAGAT
ATGTCATTCTGGGAGGTCACCGGGACTCATGGGTGTTTGGTGGTATTGACCCTCAGAGTGGAGCAGCTGTT
GTTCATGAAATTGTGAGGAGCTTTGGAACACTGAAAAAGGAAGGGTGGAGACCTAGAAGAACAATTTTGTT
TGCAAGCTGGGATGCAGAAGAATTTGGTCTTCTTGGTTCTACTGAGTGGGCAGAGGAGAATTCAAGACTCC
TTCAAGAGCGTGGCGTGGCTTATATTAATGCTGACTCATCTATAGAAGGAAACTACACTCTGAGAGTTGAT
TGTACACCGCTGATGTACAGCTTGGTACACAACCTAACAAAAGAGCTGAAAAGCCCTGATGAAGGCTTTGA
AGGCAAATCTCTTTATGAAAGTTGGACTAAAAAAAGTCCTTCCCCAGAGTTCAGTGGCATGCCCAGGATAA
GCAAATTGGGATCTGGAAATGATTTTGAGGTGTTCTTCCAACGACTTGGAATTGCTTCAGGCAGAGCACGG
TATACTAAAAATTGGGAAACAAACAAATTCAGCGGCTATCCACTGTATCACAGTGTCTATGAAACATATGA
GTTGGTGGAAAAGTTTTATGATCCAATGTTTAAATATCACCTCACTGTGGCCCAGGTTCGAGGAGGGATGG
TGTTTGAGCTAGCCAATTCCATAGTGCTCCCTTTTGATTGTCGAGATTATGCTGTAGTTTTAAGAAAGTAT
GCTGACAAAATCTACAGTATTTCTATGAAACATCCACAGGAAATGAAGACATACAGTGTATCATTTGATTC
ACTTTTTTCTGCAGTAAAGAATTTTACAGAAATTGCTTCCAAGTTCAGTGAGAGACTCCAGGACTTTGACA
AAAGCAACCCAATAGTATTAAGAATGATGAATGATCAACTCATGTTTCTGGAAAGAGCATTTATTGATCCA
TTAGGGTTACCAGACAGGCCTTTTTATAGGCATGTCATCTATGCTCCAAGCAGCCACAACAAGTATGCAGG
GGAGTCATTCCCAGGAATTTATGATGCTCTGTTTGATATTGAAAGCAAAGTGGACCCTTCCAAGGCCTGGG
GAGAAGTGAAGAGACAGATTTATGTTGCAGCCTTCACAGTGCAGGCAGCTGCAGAGACTTTGAGTGAAGTA
GCCTAAGAGGATTCTTTAGAGAATCCGTATTGAATTTGTGTGGTATGTCACTCAGAAAGAATCGTAATGGG
TATATTGATAAATTTTAAAATTGGTATATTTGAAATAAAGTTGAATATTATATATAAAAAAAAAAAAAAAA
AAAAAGGATTTTGGAATTTAAAAAAAAAAAAAAAGGTACCTGCCCNNNNNN
Table3 4737
NNNNNNNNNNNCGTGCCGAGGTACCCCACCATACAAGCCAAGGAAGCTTCAGGGGGGGCAACCTG
GATCATAGCCACGGTCTTGGCTTCTCTCACTTTTCCCCTGGTTTTGGTCCTCACTTCCAGTTCTCCAAAAT
CTACCTGTGTCCTGACTCTGGCTGTGATTCTACTCTAAGTGCCATACACATCCCTTTCACCACTGACGGAG
GTTGCTTCCCTGGTTGTGACATTCAGCATTCTCTACTGCAGGGCTTCTCAACCTTGGCACTATTGGCATTT
GGGTCTGGGTAATGCTTTGCTGTGGCAACTGTCCTGTGCATTGTAAGATGTTAAGCAGCATCCCTGACCTC
TGTCTACTAGATGCCAGTAACACCCCATCATTGTCAAATGTCTCCTGGGGCACAATGTGGCACCTGGTTGA
TAAACACTGATCTACT
Table3 4739
NNGTCGCCATTGTGACCCGAGAATTTAATATACTTGTGCCCCGCGCGTGTTTTGTTAACCGTCCG
CCCGAGTGTCCCCTCAATTTCTACCCCTCGCCCCTTAACCCAAAGCTAAATCCACCATCTGGTATTCTCCC
CTAGAGCACCAGATGACCATCTGAAGCTGGACAAGTGTCTCTAACAATAAAACATTACTGTTTACAAAACA
AAAAGCACAAACATAATTATGGAATAAATAAAAAACAAGGGACAAACAGCCAACTGACTCTACCCACTTGG
TGAGAAGTGATATACTTCAACTATTTTTTTAATGCTTCTGAAAGTTTCTTGGCCCACAGAGGACTAGGGTG
CAATCATTCCCTGTGTTAGTGAGTTGGGTTTAATGCAGCTTCAAAATTAGGGTAAAGGGACTTGGTGAAAT
GTTTACATTAAATATTTCACTCCTACCCATTCTTCAGGAAAAAAGGTGAGCTCAGCAAGGCTGGATGCCAT
TAAGAGATATTTACTGTTTTCTTTTTCTATAGCTAAAAAAGCAAACTTTACACGAAGAAGCTCTTGATTAA
GGAAATTTCAATAGATTCATATTTATAAAATTTTAAACATTTGGCACAGCAAAATTTGGAAAAAATGGGGG
AGAAAAAATAGGTCTGGTTGTTGTCCCCCTTTTTCCACCTGCTGCTGGACAGTGATGAGATGCTCACAGAA
GAAAAAGGCCTGGCTTTGTACCAGGCTGGCGACAGGTGCTACCAGGAGTGGGCTGAGGGGAGAAAAACTAT
CTCCCACTCTTTTGGCCCAGGCAATGTCAACGACTTCCACATTCCCTGGCCCACTTCCTGAGCAACCCCAG
GTTCGGCTCTGTATAAGGACCCTCCCCTCCCAACCCCAACCCCAGAGTGCAGTGCAAATCAACCAACAATT
TACTGGTGGAATGGCAATCAAAGGAAACAGTTAAACACCAAACAATTTCTTAAAGCCAAAAAATATTTTTC
ATGGAGTTGAACATTTTTCGAGTGTGTTTTTTTCAAGTGTAAAAGCAGTGACATTTTGTTCAAACAGAAGC
AGCATCTAGGAATTCTGGCACTTGGGTTCTAGGGGGTTACAGGTATGCATCATGGATTCTTCTCCCTCGTA
TTTAAAAAGGCCTCGTGTTTCTATTCCTGAGTTCATACCAACACCTGCTAGCTCTCCCCTCTAGCGGACAG
TGGGTGGCCAGCCAGCCTCCCTGGTTAGATTGGGCAATGCCAAGCAGACATCCCTCATTCACCTGCTGGGC
TTGCTTTCTGATTCAGAGGTAAGTCGAAGTGCAGAGAAAGAAACTTACAAAAGCACAACCACCAAAGGCAG
CCTGAACGGGGAGCCCTGTGCAGACTGAGTTGCTGGAGACTACCCTCTCAGTCCCATTCCTGGGGAAAGGT
AGGTCACTCATGGAATTTGAATCAAACATGGGGGAGGACACCTGCCAAGCAATAGTATGATGGACTCAAGT
CATCCCAGGCCATCTACTGTCTCCCTCACCTGCCCTAACCTTTTCTGAGTCCCTCCCTCTCTTGTGCAAGC
ACTGTAGTTTAAAAAGGAAAAAACACCCCCCACCATTAAAAGACAACCTTCAAATGTTACTCAGTATATAA
AGTTTGCTTAGGCTAAGGTGGAGTCAGAAATGTCTCTAATTGTAGACACCATCTCTGTGCCACCCTTCCTC
TCATCGGATATGGAGTGATTTCTTCTCTCGCTGCTGCGACGCAGATCTGAGCCACAGTCAGGTACCAATGT
ACACGACATAGGCACATGTGCAAACACAAAGAAGGTGGGCTGCTGCTTCTTTCTCTCTGCCCCTAGTCCAG
GCTCCTTTGCTTCACGTAAGATTAACACTTTCCCATTCCTCTGAAGTTGCTGGAAGGACATTTCCCAGGAA
GAAACAATTCCTCACTGCCTATAAACTGTAGTCTCATGTGGGATAGTCAATTGAACATGAGAATCAGAACA
ATCTGGGCAAATGGGTATGGCAAGAATGGGAACACCACAACAGGACAGATGCCAACTCTCATTCATGCCAG
GCCTTTTGGCATCTGGGTGCCTTCTGTGTCTTCTTTCCACCTCTTCCTTCAGTCTCAACATCCACTTGTAC
CCCCAGCTACCTCCCATGTTTCCAGGTATCATTGGCTCTTAACTCCCACAAGCCTGCCTTTTGGCTACCCA

Table 6
2812/3331

TCCCAACAATATCAAGAGGGAATGACTAAGTATCAGCTAGAAACTTAGCCATGTCTCAACATTCCTGGATT
ATCTGAAAAGCTGTCGATGCCCTTTTACAGGTTTATGGTGACAGACCCGTATCATCTTAAAGTATGTTCAT
AGTTAAGGCTTGACTTAAGAAAATAAGAGAACCAGACATAATGGAAAGACCTCTTCAATAATGTTGTCATG
CCTCTCAGTGAACGTGCTCACAGTCACACTTGGTTTGGCTCCCCAAACCCACAATAGAAAAGGAAAAATGA
GTATTTTGTTTTTCATCTGTTTTGTATTTAAAGGCATTGGGTTACTTCCTCCTGCCCTCTTTTCTTCCCTG
AACAAGAGTTTACAACTCCTCATGGCTTCTTAATAGGTGAAGTAGGTGAAAAGTCTGAGAAGCTCACAGCA
GGGTTTGCCGTCCCAACTATGCAGCTGAGAGGTCGCCAGCTCCTGTGCCTTCCCAGCCCCACTATAATTGG
CAGTATGTTTGTTCATGTTTCCTGAAAACATTTTCTTTAAAAAGGAAAAGAAAAAAATGCCAAACAACACC
AACCAAAAAAAAAAAAAAAAAAAAAAGAAGGAAGAAGACAAAGAGCAACATCCAAACATTCCCCAAGCCCC
ACCCCAGTAAGTCTGAGATTATCTTATTCCTTCCCTGAAATAATTATAAAGAAGCATTTCAGGCAAAATAC
TTAGTATTAATGGTCTCTTACTGCTCAACCTCCCAACCATGCCCTTTTCCCTTTTATGTGTATCTCTTGGA
GTAAAATAAATTCATTAATGGCTTTCCACATACAAATACAATAGAAAAGAAAGAAGTCTGGAACCTGACTA
TCATGGGACCAAAAAGTATCTTGGCCCTTTGGGAGTTTCCTTGTCAGAAAGTATAAGCCTCAACAGGAAAT
AGAGGCTCCTTCTCCTTTGAGTTCAATACCCTCCCTGTGTCCTACTCACCAGGAAAATAAGTGTGTTCATA
TCCCACCTAATTTACAACAGAAGATAACCCCATCCCATCCCCAAAACATAAAAATACAAGTCTATGCCCAT
AGAACN

Table3 4741

ACGCGGGGGGGTGCTCTTGTGAGCTGCTGCTCCTGCGGTTGGTGAGATTACCTGGGTCTAGAGTG
CGGAGCTGCTCCGTGGCCACGAGGACGTCACCATGCCCAAAGCACCAAAGGGAAAAAGTGCAGGACGGGAA
AAAAAAGTCATCCATCCATATAGTAGAAAAGCAGCTCANATTACGAGAGAGGCCCACAAACAAGAAAAAAA
GGAAAAATTGAAGAATGAAAAGGCCTTGCGTCTCAACCTTGTTGGTGAAAAACTGCAATGGTTTCAAAATC
ATCTTGATCCCCAAAAAAAGAGATATTCAAAGAAAGATGCTTGTGAACTAATTGAAAGGTACTGTTACAAT
GAGACAGCAAAGTTATCCGTTTATTCATCCGATCATTTAATTGACATTTATGGAGTGCCTAGTATTTTCTC
AATACTGCGCTAGAGGTGCTGGGAAGAGAGAGATAAAAATAAATGATACTCTCTTGTTCTCAAGTTGCTTG
CAAATTTGCATGCAN

Table3 4742

ACGCGGGAAGGCAGTGGTAACAACCCAGACTACGCGGGGATATTATCAGAAACTAATTGACCTCA
GAAAAGGAAATACCCAATTCCAGCCTACTCTAGTTGTCCTGTCTCCCTAAAGGGATAGGGGAGAAACTGAG
AAGCACTTGTGTAGTTCACAGTCCAGGAACACAGGCTCACTTAAAGATTGAGACCTAAGCAAGCATGGGTC
TATAGAATGTTTTCCCCTGCCCCTAAACCTTAGCAACACATTACTAAAAGCCCATACAAAGCAGTTCCTTT
TACCTGGTCCATCATATCTGGTTATCAAGAAAATATTACAAAACATACTAAAGGCAAAAAAAAAAAATCCA
CAAGTAGAAGAGGCAAAAGAAGCATTAAAACCAGAATCAGATATGGCAAGGATGCTGGAATTATTAGAAAG
AAAATTTAAAACAACTATAGTTAATATGCTAAGGTCCCTAATGAATAAAGTAGACAGAATGCAAGAATAGG
TGGGCAATGTAAACACAGAGATAAACATTCTAAAAAAAATGCTAGAAATAAAAAAGTACCN

Table3 4743

ACGCGGGAAGGCAGTGGTAACAACCCAGACTACGCGGGGATATTATCAGAAACTAATTGACCTCA
GAAAAGGAAATACCCAATTCCAGCCTACTCTAGTTGTCCTGTCTCCCTAAAGGGATAGGGGAGAAACTGAG
AAGCACTTGTGTAGTTCACAGTCCAGGAACACAGGCTCACTTAAAGATTGAGACCTAAGCAAGCATGGGTC
TATAGAATGTTTTCCCCTGCCCCTAAACCTTAGCAACACATTACTAAAAGCCCATACAAAGCAGTTCCTTT
TACCTGGTCCATCATATCTGGTTATCAAGAAAATATTACAAAACATACTAAAGGCAAAAAAAAAAAATCCA
CAAGTAGAAGAGGCAAAAGAAGCATTAAAACCAGAATCAGATATGGCAAGGATGCTGGAATTATTAGAAAG
AAAATTTAAAACAACTATAGTTAATATGCTAAGGTCCCTAATGAATAAAGTAGACAGAATGCAAGAATAGG
TGGGCAATGTAAACACAGAGATAAACATTCTAAAAAAAATGCTAGAAATAAAAAAGTACCN

Table3 4744

ACGCGGGGGGGATTGTGCAGACAGAACTGCTGAAGGAGCATATGGCAAAGGAGGAGGTCCTGCAG
GATCCTGTGTTGAAGCAGATCCCAATATCCTGAGCCTGAGTGGTAAGGTGCTGCCATCCTGTGACCTTGCT
CGACGCTATGGCCTTCGGGATGTGGA

Table3 4746

NNNNGAAGTCCTCGTTCCACGCCTTCTCATCATCCTGAACACCGAGCTCTGGGACTCCGGCGGAG
AATCTAAACGTAAAGCATCACCCACGGTCGTGAACTGTAGGCGCCCAGGTACGCGGGGATCTTATTCTGGC
CTTGGCGGAGTTGGGGATGGTGTCGCCTAGCAGCCGCTGCCGCTTTGGCTTGCTCGGGACCATTTGGCTGG
ACCCAGAGTCCGCGTGGAACCGCGATAGGGATCTGTCAGGGCCCGCGGCCGGGTCCAGCTTGGTGGTTGCG
GTAGTGAGAGGCCTCCGCTGGTTGCCAGGCTTGGTCTAGAGGTGGAGCACAGTGAAAGAATTCAAGATGCC
ACCTAATATAAACTGGAAAGAAATAATGAAAGTTGACCCAGATGACCTGCCCCGTCAAGAAGAACTGGCAG
ATAATTTATTGATTTCCTTATCCAAGGTGGAAGTAAATGAGCTAAAAAGTGAAAAGCAAGAAAATGTGATA
CACCTTTTCAGAATTACTCAGTCACTAATGAAGATGAAAGCTCAAGAAGTGGAGCTGGCTTTGGAAGAAGT
AGAAAAAGCTGGAGAAGAACAAGCAAAATTTGAAAATCAATTAAA

Table3 4747

NNNNNNNNNAACCTTAAATAAATTTAATAACATACAATTTACTTCACACACTGGGGTTCCACAAA
GATTTCTTACTACAAACAGCGTTCTGCTTCTCAACAACCTATATAATTTGATAACCACAGATGTAGCATAA
AGTCATTCATTTTTAAACTCTAAATTCAGTTGCTTATTGGGGTTTTCACCTTGGATCTGGTACAAATTCTA
ACTAGAGTAAGAGTTCCTGGATGTGTCAAAAATCGTCACCTTCCCAACTCTTACATATGTAGGACAGTGAC
ATGACTCCTGCCCACAGAAGAACACACCTGTCCTGCCCTCTCCCAACAATGGAATGTTACAAAGCAGGACA
CGCCTGAGTTAAAATGAGTATCCCTGAGGTTGATAATTCCCACCATGCACCTTGAAGATGGTTCTTGAATC

Table 6
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TTTCATTCAGCCCGATGAAGAGAAGATTCATTGTAGCCAGTGTCACATTAGGTGAGAAAAATTCAGAAGGC
AACAGATTTGCGCTGCTGCACCAGCGACCCAAACCAGCCCGTGAGTGCATAGCTACTGCCAGCACTTAAAG
AAAGGTGAGCCGTTGGATACTCTGGGAAACCGAGAAAGCACCTTCTACTGCAAGCGTGAAGAACATGATGC
CCACAGAAAACACAACAGAAACAAGAAGTGAGACTCTTGAAGGTAATTTCCAGAATAGN
Table3 4748
NNNGGAACCCCCTTTCGCCTTCTTGCCTTCCCTTTCTCCTGCCCCCCCAATTGTCTAAACTTTCG
GCCCACCCCACAATTTTTTTCTTTTCATTCCAAGAGCAGCCGAAACCAGCTCACTCATTTATTTGACTGAG
AACATTAAGAAGGACAACAAAATTAAACATTCTTTAATAAAATTCCTATAGAAAGCTCAGTCATAGGGCAA
ATACTCAGTTCTCTTTCCCATATCACCGAGGATTGAGAGCTCCCAATATTCTTTGGAGAATAAGCAGTAGT
TTTGCTGGATGTTGCCAGGACTCAGAGAGATCACCCATTTACACATTCAAACCAGTAGTTCCTATTGCACA
TATTAACATTACTTGCCCCTAGCACCCTAAATATATGGTACCTCAACAAATAACTTAAAGATTTCCGTGTG
GCGTGAAACCATTTCAATTTGAACTAATATCCTTGAAAAAAATCACATTATTACAAGTTTTAATAAATACA
GTAAGAAGAGCTGGCATTTTTCTAAAATACTGAATTTCAGATCTGGAGTTTATTCCATAAATAGGTTTCTT
TTCATTTGCTTGCTTTCTTGGATACATTTGCTCAAGTATTATTCTCTATGAAGTGAACTCTTTCATAGATA
CCATATAAAAACTGTATTAATATGTGCCTCATTATAGAAGCAGCTGGAAGAACTGGATCACACAGTTACCT
AACTGAAAAGTAACTTAGGAAAAAGCTCTGCTTTTTGTAAAACTTTAAATCACAGGCTGAAGAATACCAAA
GAAACATTTATATAGAACTCCCACTAGAAATTTTATAAATATATATGTAGCATATTTATATATATTATATT
TGCCTCACCAGTAGATTTTCAGCAAGTCTGGCTGGAATGATGCTATCATGGAAATAAATATTAACAAAAGA
ATTAATGAGTATCCACAGGTTTACAAGATTTCTTCTGGAAAATAATCATAAATTCAAATTATATTATAATT
TGCAGTTTACACAATTTTAAAAGGGAAGAAAGATGCCTTTCTTTTTAGCTTCATTTGGACAGTAAGAACAG
CCACCAACGGTTGAAGTTTGGTGGGGAAACTGGCAAGTGACAATACTTGGTCACAACATTGAAAAGAAGTA
TTTACACCATTCTGGGAAGTACCAAATATTAGAAAAAACAAACAAAAACGGAAACAATCCCTAGTAGCATT
CCTTGGCGTGCAAAGTCAGCAGGAAATGATTATCCATTGACAGTTTTCATGATAAGTCTTGGAAGCATTCA
AAAAGCAGAGGGAATCATCGGGGATTGTTCAGATTAGGTTCTGTGGGATGCCTTGTTCTTAATTTAACTCT
GAGTTCCAGGATTTCATTCCCTTTATAACATCTCTAACAGGGTCATGTTCAATTTAGTGCAAGTGCAAAAT
GAAAATGAAATGAAACCAACAAATACATTAGGAGCGAAGGCTGATCGTTAAGATCTGTAGTCCCCGCGTAC
CTCGGCCGCGACCAGCTCTAGAACNN
Table3 4754
ACGCGGGGTCTCTCGGCCTTAGCGCCATTTTTTTGGAAACCTCTGCGCCATGAGAGCCAAGGTGA
GCGGTTCCTGGTAGTAAGCTTGGGAGGTAGGAGTTGGCGAGTAGTAGCGAGGAGACGAAGGCAAGTCCGCC
ATACCTCCTGAACTACTGGGTTTCAAGGGTGCCCAAGAGCTGGTGGGAGAGAGAAGGTAGTTTGTGAGAGA
GCTAGCGGTTAAGTGCTATGGGTAGAGAGGGTGGGCTTAGAAAAGGGTGGAATTCTGATCTTATGTTGGGA
GGGTGTCCAAGTTACTGATGTAGTTGTTACGACCAATCTTTCATACTTCTTGGTTAAGAATCTGTCCGGTT
CTAAAGAGTGCATTTCATATCCTTGCTAAGCCTACTAATAAGCTTCATCCCTTTTTTTTTTTTTTTAAtt
atcTGCTGCTTGGGATCGGTTGCTAGTGGAGGAAGAAGCGAATGCGCAGGTACGTTGAGACTTTGCCAGCC
CAGGAGGAGGGAAGTTCCTTGGACAAAACTTAGGAGAAACATTTGGTTTGGAAATCTTAAAAGATCTTTAG
GAGAAAAACGTTTGAGTGTTTTCTCCCTGGAGCCAGGATTTAACAGAACAGAGAACGATAGAACCGTAGTG
CTTGTTCATTTTACCACCTCATTCTTTATGTGGACGTTTGATTTAATGTGGGAGGGAAAGGCAACTCTGGT
TTGAGGTGTATTCCATTCCTGTGTCTGCTTTTCAGGCTGAAGCGCAAAAGAAGAAAGATGAGGCAGAGGTC
CAAGTAAACCGCTAGCTTGTTGCACCGTGGAGGCCACAGGAGCAGAAACATGGAATGCCAGACGCTGGGGA
TGCTGGTACAAGTTGTGGGACTGCATGCTACTGTCTAGAGCTTGTCTCAATGGATCTAGAACTTCATCGCC
TCTGATCGCCGATCACCTCTGAGACCCACCTTGCTCATAAACAAAATGCCCATGTTGGTCCTCTGCACCTG
GACctgtgacattctggACTatttctgtgtttatttgtggcccgagtgtacaaccatattataaatcacct
cttccgctgttttagctgaagaattaaatcaaaaaaaaaaaaaaaaaaaaaaaactttatcngattaccgg
ccnaccctccatgaatgantgaatggtccnacccccggggaaatttcccgggaccccggtncccctg
Table3 4755
NNNNNNNNNNCGCGGTCCCCCCCTCAACATGGCGGCAGCGGTGCTCTAGGCGCCGGAAGGGGGCG
TGAATCGGTGCGACCGCGCGCGTGCGCAGTACCGGGTCCGCGCCTGTCCCCGAAACTTCGCACCCCGTCGA
ACTCTCGCGAGAGCGGTATCTGCGTGTCGGGACGTGCGGAGGCTCTCACTTTCCGTCATGGCGCTGAAGGT
AGCGACCGTCGCCGGCAGCGCCGCGAAGGCGGTGCTCGGGCCAGCCCTTCTCTGCCGTCCCTGGGAGGTTC
TAGGCGCCCACGAGGTCCCCTCGAGGAACATCTTTTCAGAACAAACAATTCCTCCGTCCGCTAAGTATGGC
GGGCGGCACACGGTGACCATGATCCCAGGGGATGGCATCGGGCCAGAGCTCATGCTGCATGTCAAGTCCGT
CTTCAGGCACGCATGTGTACCAGTGGACTTTGAAGAGGTGCACGTGAGTTCCAATGCTGATGAAGAGGACA
TTCGCAATGCCATCATGGCCATCCGCCGGAACCGCGTGGCCCTGAAGGGCAACATCGAAACCAACCATAAC
CTGCCACCGTCGCACAAATCTCGAAACAACATCCTTCGCACCAGCCTGGACCTCTATGCCAACGTCATCCA
CTGTAAGAGCCTTCCAGGCGTGGTGACCCGGCACAAGGACATAGACATCCTCATTGTCCGGGAGAACACAG
AGGGCGAGTACAGCAGCCTGGAGCATGAGAGTGTGGCGGGAGTGGTGGAGAGCCTGAAGATCATCACCAAG
GCCAAGTCCCTGCGCATTGCCGAGTATGCCTTCAAGCTGGCGCAGGAGAGCGGGCGCAAGAAAGTGACGGC
CGTGCACAAGGCCAACATCATGAAACTGGGCGATGGGCTTTTCCTCCAGTGCTGCAGGGAGGTGGCAGCCC
GCTACCCTCAGATCACCTTCGAGAACATGATTGTGGATAACACCACCATGCAGCTGGTGTCCCGGCCCCAG
CAGTTTGATGTCATGGTGATGCCCAATCTCTATGGCAACATCGTCAACAATGTCTGCGCGGGACTGGTCGG
GGGCCCAGGCCTTGTGGCTGGGGCCAACTATGGCCATGTGTACGCGGTGTTTGAAACAGCTACGAGGAACA
CCGGCAAGAGTATCGCCAATAAGAACATCGCCAACCCCACGGCCACCCTGCTGGCCAGCTGCATGATGCTG
GACCACCTCAAGCTGCACTCCTATGCCACCTCCATCCGTAAGGCTGTCCTGGCATCCATGGACAATGAGAA

Table 6
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TATGCACACTCCGGACATCGGGGGCCAGGGCACAACATCTGAAGCCATCCAGGACGTCATCCGCCACATCC
GCGTCATCAACGGCCGGGCCGTGGAGGCCTAGGCTGGCCCTAGGACCTTCTTGGTTTGCTCCTTGGATTCC
CCTTCCCACTCCAGCACCCCAGCCAGCCTGGTACGCAGATCCCAGAATAAAGCACCTTCTCCCTAAAAAAA
AAAAAAAAAAAAAAAAAANNNNNNNNNNNNN
Table3 4756
GGGAGTCGACCCACGCGTCCGCGGGATCTGTCCGAGCAGGAAGCCAGCCTCAGCCCGGCCGCTGT
CGCCGCCCTGTCCTGGTGCCCGTCCGCGTCGTCGCCCTCTTCACTGGCCCTCATCACTTCTCACCGCGCCC
TCCAGCTTCACCCGTACAGGTAGCCCCGCCGCCGCGCACCTGCCTTCGCTCCCGCACCGGTGACAGTGGAT
AGTGGAAACAGGAGATCGTGGATCCTCCTTCAAAAATGGAGGATGGAAAGCCCGTTTGGGCGCCACACCCT
ACAGATGGATTTCAGATGGGCAATATTGTGGATATTGGCCCCGACAGCTTAACAATTGAACCCTTGAATCA
GAAAGGCAAGACATTTTTGGCTCTCATAAACCAAGTGTTTCCTGCAGAAGAGGACAGTAAAAAAGATGTGG
AAGATAACTGTTCACTAATGTATTTAAATGAAGCCACACTGCTCCATAATATCAAAGTTCGATATAGTAAA
GACAGAATTTATACATATGTCGCCAACATTCTGATTGCAGTGAATCCATACTTTGACATACCTAAAATATA
TTCTTCAGAAGCAATAAAGTCATATCAAGGAAAATCTCTTGGGACAAGACCACCTCATGTCTTTGCAATTG
CTGATAAAGCTTTTCGAGACATGAAGGTGCTCAAGATGAGTCAGTCTATCATTGTATCTGGAGAATCAGGA
GCCGGCAAAACAGAAAATACAAAATTTGTTCTAAGATACCTGACTGAATCCTATGGAACAGGTCAAGATAT
TGATGACAGAATTGTTGAAGCTAACCCACTCCTAGAAGCCTTTGGAAATGCGAAGACTGTTCGCAACAATA
ATAGCAGTCGATTTGGGAAATTTGTAGAAATACATTTTAATGAAAAGAGCTCAGTTGTTGGAGGATTTGTT
TCACATTATCTCCTAGAGAAATCTAGGATCTGTGTTCAAGGCAAAGAGGAAAGAAATTATCATATCTTTTA
TAGGTTGTGTGCTGGTGCTTCTGAAGATATTAGAGAAAAACTTCATTTGAGTTCACCAGATAATTTTCGGT
ATTTAAACCGAGGCTGCACTAGATACTTTGCTAACAAAGAAACTGACAAACAGATTTTACAGAACCGCAAA
AGTCCTGAGTACCTTAAGGCAGGTTCTATGAAAGATCCTCTGCTAGATGACCATGGTGATTTTATTAGAAT
GTGCACGGCTATGAAAAAAATTGGTTTGGATGATGAAGAAAAGCTTGATCTCTTCCGGGTAGTAGCTGGCG
TCCTGCACCTTGGAAATATTGATTTTGAGGAAGCTGGCAGCACTTCAGGTGGTTGTAATCTGAAGAATAAA
TCTGCTCAGTCTTTGGAATATTGTGCTGAATTACTGGGTTTGGACCAAGATGATCTTCGAGTAAGTTTGAC
CACAAGAGTCATGCTAACAACAGCAGGGGGCACCAAAGGAACAGTTATAAAGGTACCTCTGAAAGTGGAGC
AAGCAAACAATGCTCGTGATGCCCTGGCAAAGACAGTGTATAGCCATCTTTTTGATCATGTGGTAAACAGA
GTAAATCAGTGTTTTCCTTTTGAAACATCATCCTATTTTATTGGAGTCCTAGATATTGCTGGTTTTGAGTA
CTTTGAGCATAACAGTTTTGAACAATTTTGCATCAACTATTGCAATGAAAAACTTCAACAATTTTTTAATG
AAAGGATTCTGAAGGAGGAACAAGAACTCTATCAAAAAGAAGGTTTAGGTGTTAATGAAGTGCATTATGTG
GATAATCAGGACTGTATAGATTTAATTGAAGCCAAATTAGTGGGAATACTGGATATTTTGGATGAAGAAAA
TCGCCTTCCCCAGCCAAGTGATCAACACTTTACATCTGCAGTTCACCAAAAGCACAAGGATCATTTTCGAC
TCACTATTCCCAGAAAATCTAAGCTGGCAGTTCATAGGAATATCAGAGACGACGAAGGCTTCATTATCAGG
CATTTTGCGGGGGCAGTGTGCTATGAAACAACCCAGTTTGTGGAGAAAAATAATGATGCTTTACATATGTC
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ACAAAGATACTAAACAAAAAGCAGGAAAACTTAGCTTCATCAGCGTGGGAAACAAGTTTAAGACACAGTTA
AATTTGCTTCTGGATAAACTTCGAAGTACTGGAGCAAGCTTTATTCGTTGCATCAAACCTAACTTAAAGAT
GACAAGCCACCACTTTGAAGGTGCTCAAATTCTGTCTCAGCTTCAGTGTTCAGGGATGGTGTCTGTTTTGG
ACTTGATGCAGGGTGGTTACCCATCACGAGCTTCATTTCATGAACTCTACAACATGTACAAAAAGTATATG
CCAGATAAACTTGCAAGATTGGATCCAAGACTATTTTGTAAGGCTTTGTTTAAAGCTTTGGGCTTAAATGA
AAATGACTACAAGTTTGGGTTAACCAAAGTATTTTTTAGACCTGGCAAGTTTGCAGAATTTGATCAGATCA
TGAAGTCTGACCCTGACCACTTAGCAGAGTTGGTTAAAAGAGTCAATCACTGGCTCACATGCAGTCGCTGG
AAGAAAGTTCAGTGGTGCTCACTCTCAGTCATCAAATTGAAAAACAAAATAAAATATCGAGCTGAAGCCTG
CATTAAAATGCAAAAAACTATTCGAATGTGGCTTTGCAAGAGGAGACACAAACCTCGCATTGATGGTCTGG
TTAAGGTGGGCACACTGAAAAAACGACTTGATAAATTTAATGAGGTAGTCAGTGTGTTGAAAGATGGAAAA
CCCGAGATGAATAAACAGATCAAGAATCTGGAAATTTCTATTGATACTTTGATGGCCAAAATTAAGTCCAC
TATGATGACGCAGGAACAAATCCAGAAAGAATATGATGCACTGGTTAAAAGCTCAGAGGAACTCCTCAGTG
CATTACAGAAAAAAAAACAGCAGGAAGAGGAAGCAGAAAGGCTGAGGCGTATTCAAGAAGAAATGGAAAAG
GAAAGAAAAAGACGTGAAGAAGACGAAAAACGTCGAAGAAAGGAAGAGGAGGAAAGGCGGATGAAACTTGA
GATGGAAGCAAAGAGAAAACAAGAAGAAGAAGAGAGAAAGAAAAGGGAAGATGATGAAAAACGCATTCAAG
CTGAAGTGGAGGCACAGCTGGCCCGACAGAAGGAGGAGGAATCCCAACAGCAAGCAGTTCTGGAGCAGGAG
CGCAGGGACCGGGAGCTGGCCCTGAGGATTGCCCAGAGTGAAGCCGAGCTCATCAGTGATGAGGCCCAGGC
CGACCTGGCGCTGCGGAGAAATGATGGAACAAGACCCAAAATGACACCGGAACAAATGGCCAAAGAAATGT
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CAAAACCCAGCAGCTCAGATTCCTGCCAGGCAGCGGGAGATTGAAATGAACCGACAGCAACGCTTCTTCCG
CATCCCATTCATCCGCCCTGCCGACCAGTACAAAGACCCTCAGAGTAAGAAAAAAGGCTGGTGGTATGCCC
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GATCTTGCCAAGACAGTTTGAAGAAATCTGGGAACGCTGTGGAGGCATCCAGTACCTTCAGAATGCGATTG
AGAGCAGACAGGCTCGGCCCACCTATGCAACAGCCATGCTGCAGAGTCTGTTAAAGTAGATGTTGCACACC
AGCCTTACAGCTGGGAGCCTTTGCCATGGTACTTAGGTAGGGTGTGTGCCCCCAGATTTAACCATTCCATA

Table 6
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ATCATGTTAGAGTTACTTCTATAAAGTGAACAGATTTTATTAATCACGGCTTTTGGTGAATTTGTTTAAGG
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CCATATAACTGGAGTAATAAAACATGAGCTTACATTCTTACAATAACTAAACCACTTAAAATGATCAAGGC
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CCTAGTGTCTTTTTTGGCCTTTGAGGTTTTGGTAATTGTAGACCTGTTTCATAAGCTTTGTAATTCAGAAA
TCCTTGTATTTAGTAAGTGCTTGTTTTACATAACTGATAATTTTAAAATGTTTTCTTTGTGTGCTGTTAGT
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CCTTTGCTGGAGAAACTTAGGACCCTGTCAGCCTTTTAAAGGAAACAGCAGGAGTGGTGTCCTAAATGATG
TTCATGCAGCTGCTTTACCATGTTCACAGTCAAGCCCATGCATGCCAGGTTAAAACTGTGGAAATCAAAAG
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AAATGAGAGGACAGAATGTTTTCACATTTGATTCAATTTTAATATAATTCCTAATTGTGGTAACACAGTTG
AGATATGTATTATGAGTTATGGGAACTAATTGAGAAAAGGAAGTTACTCTAATCCACGTATGTTAAGAGAA
TATTGAGTTTTCTTAGTTGTAAAGTTGGGGAGATGGCACCTTCTCAGAGGATTGTGAAAATATGAGGAAGA
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GGATCAAGATATGCCCGGTGTATACATTCTTAGCACATAGGAATGGCACTGCCATACTGGAGAAGGTCAGC
AGTAAATAGGCATTCTGTACATAAGCCTCATGGAAGGGTAAGATGGAGAGACTGGCAGAAGTAGCACCTAC
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CAAAAggGGAATCTTCAGTAcAAATTTgttTTTTTAAAAATagatTtaagGCTGGGCGtggtgGCTCAcgc
ctgtaatcccaGCACttTgggaggccgaggcgggtgga

Table3 4759

ACAGAAAAACATTCCGCCCACGACGCCACCGAAGCTGTGGCCCAGAATGGAGAATCGATTCCATT
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TGGGACGAGAGCCCATGACCTCCGAAATCCATGGCAACGTAATAAAAGTCTTGCGGGAGAAGAGGGATGAG
TCTGTCGAAGGAGCTGGCATTGTCCAGCCAGCCGTGCAGGCAGAGAACTGGAGGGCCCTGCAGGGAGCCCC
AGGCTTTGGCTGCGATGTGGCCCCAGGGCACAGCCAGCTTCAGCTCTGAGATCAGACCTTCTAGAATGTGC
TGGGGCGGGGGCGCTGGTCAGGCCTGGACCCCATCACTTGCTGGCTGGGTAACCTTGGAGAAGTTACTAAA
ACGTCTTGAGC

Table3 4760

ACAATTCTATTGACATAAAACTCTAGAAAAGACACATCACATTAAATCTATATTGAGCAAGAGTA

Table 6
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GGTTGGTGGTGACCTGGGGTCTGCAGTTGGGTGAAAGAAGGGGAAGGGGGTTAATGGCAATTTTGGCATTG
TGGAAATATTCTATATCTTGATTAAGTAGAAGTTAAACAGATATTTACATCTGTGCAAGCTCATTAAACTA
TACTTTAAAATTGGTGCATTTTATCGTATGTAAATTTTACCTCATTAAAAGTGATTAAGAAATAATTTCAT
TCTCAGTACCAGGGGTCGAAACGCTCAAGTTTATTTATGCCGAAGAAACTTAAGTAGGATCCTTCTTAGTA
TCCTCACAGTTTCATAACACATTACTTCTTCTCTACAGTAATATTTGCTTTAAAGGTTTTAACAGTTTCTG
TTTGCAAAAAGTATTATCAGTTGGACAATATTAAATGGCATGTTTACAAGACCAAAAATGAAAGTCCTCAA
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CAGCCTTTTGTCAGAGTTTTGATCCTTTAACACTTACCTCCTTCCCCGTTTTTTTCTTCTTTAAGAAAACA
AACTTACACTTGTGTATTAGTTTACAATTACTGTAAGCAAATGACCACAAACTTAGCAACTTGAAACACCA
CTCATTTATCATCTCAGTTCTGTGGTTCTGAAGTCCAGGAACAGCTGAACTGTGTTCTCAGCTCAGTATCT
CACAGTGCTAAAATCAATATGTCGATTTGATTTCAAGCTGGGGATGTGTTCTCATCACAAGCTCAGAGTCC
TCTGCCAAGTTCATTCAGGTTGTTGGCAGGTTTCAATTCCTTGCAGCTATAGGACTGAGGT
Table3 4761
ACAGAGAGTGCAATTGATCCGAACCCTACATAACTCACTGTTTCCATTTACATAACTTACATAAC
TGCAAGCTGAAATCACTATCACTCTAAAATTTTTTTAATTCAAAATTTTAATTTCATTTAATCATATTTAC
CCGCGTACGCGGGGGACTGGAGACACTGAAGAAGGCAGGGGCCCTTAGAGTCTTGGTTGCCAAACAGAATG
CCCATATCCGTCTTACCTGTGAGGAAGCTTGCCTTGGGCGCCCTCTGCTGGCCCTCCAGAAGCTAACAGGG
GCGAGTGCTCGGTGGTTTACAAATTGCCTCCATGCAGACCATGAAACTGTTCAGCCTGCTATAGTTAGATC
TCTGGCACTGGCCCAGGAGGTCTTGCAGATTTGCAGATCAAGGAGAACCCAGGAGTTTCAAAGAAGCGCTA
GTAAGGTCTCTGAGATCCTTGCACTAGCTACATCCTCAGGGTAGGAGGAAGATGGCTTCCAGAAGCATGCG
GCTGCTCCTATTGCTGAGCTGCCTGGCCAAAACAGGAGTCCTGGGTGATATCATCATGAGACCCAGCTGTG
CTCCTGGATGGTTTTACCACAAGTCCAATTGCTATGGTTACTTCAGGAAGCTGAGGAACTGGTCTGATGCC
GAGCTCGAGTGTCAGTCTTACGGAAACGGAGCCCACCTGGCATCTATCCTGAGTTTAAAGGAAGCCAGCAC
CATAGCAGAGTACATAAGTGGCTATCAGAGAAGCCAGCCGATATGGATTGGCCTGCACGACCCACAGAAGA
GGCAGCAGTGGCAGTGGATTGATGGGGCCATGTATCTGTACAGATCCTGGTCTGGCAAGTCCATGGGTGGG
AACAAGCACTGTGCTGAGATGAGCTCCAATAACAACTTTTTAACTTGGAGCAGCAACGAATGCAACAAGCG
CCAACACTTCCTGTGCAAGTACCGACCATAGAGCAAGAATCAAGATTCTGCTAACTCCTGCACAGCCCCGT
CCTCTTCCTTTCTGCTAGCCTGGCTAAATCTGCTCATTATTTCAGAGGGGAAACCTAGCAAACTAAGAGTG
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TCTCGAGCAGTCTAGAAGAGTGCATCTCCAGCCTATGAAACAGCTGGGTCTTTGGCCATAAGAAGTAAAGA
TTTGAAGACAGAAGGAAGAAACTCAGGAGTAAGCTTCTAGACCCCTTCAGCTTCTACACCCTTCTGCCCTC
TCTCCATTGCCTGCACCCCACCCCAGCCACTCAACTCCTGCTTGTTTTTCCTTTGGCCATAGGAAGGTTTA
CCAGTAGAATCCTTGCTAGGTTGATGTGGGCCATACATTCCTTTAATAAACCATTGTGTACTAATGCAAGA
GGAGGTGATCAGAATTTGCTTGAATGGTGTAATCATGTGGCAGATTCAAAAATTCATTGTTTCTACATGTC
TCACAAGAAGACTCTGCAAAACAAAATCTGAAGAACAGTATGGAAGGCAAGGGTTGT
Table3 4763
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNTTTGGACTCCATATGACTTTATTTTCTGGGGTGGA
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TGGCTTAGGGCATCCTTCTCCCTGCAGTCACCAGCAGGGGGCGCCACAGGCCAGCCTGTGGGACCCACTAT
CTGAGAACGGGGTTGTCACCCAGGAGTGAGTGAAGGTCTGGCCAGCACTGAGGGCTCTGGGGTGCAGAGAA
GTTAGGAGATCCATCAAAGCAGCCAGACCACCTGGTGGGAGGCGGCACACACTCTGCCAGTCCGGACACGG
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CCAAGATCGCTGTGGAAATGACTGGCAGAGCAGGGATTCAAACCCAGGTCCCTGTGGGTGCCTCTGCCCAG
CCGCCTGCAGGGTCTGCAGGTGGCCATGTCCCACGTGTCACCTTTACAGACCCACGGCTGAGAGCCGGCCC
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CTCACCGGTCCTTGTACTCTGAGTGCTTTCAGTTGGGTCCATTATGAGAAATCTCCTTTTGAGCATGGATG
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GATCAGCCTGGGCAACATGGCGAAATTCGTCTCTGATTCACTCGATGCGCACCTGGCCGTACGTAGCTTCA
TCAGGCAGGGTGTACCTGTCAAGTTCTTAGGTCCGTAGTGTTCGCGGCTTTACCTGTCCTGGTACCGCCGT
CCGCACCTCGGTCAGTGCGTCCCCGGCAGGTGCGTGTACCTGATCCTCGTGCCGAATTCTTGGCCTCGAGG
GCCAAATTCCCTATAGT
Table3 4764
GCGTCCGCCCACGCGTCCGGTCATCTATAAAAATACTCACATTAAGACAGTAGCAATTCCAGCCT
TGAGCTCCGCGGACGCGTGGGTCTGAATTTGTGTACAAAGACTATTGTAGAGACTATCCGGGTTAGTTTGC
AAGGGAAGCCAATGATGAGTAATTTGAAAGAAATTCACCTGGTGAGCAATGAGGACCCTACTGTTGCTGCC
TTTAAAGCTGCTTCAGAATTCATCCTAGGGAAGAGTGAGCTGGGACAAGAAACCACCCCTTCTTTCAATGC
AATGGTCGTGAACAACCTGACCCTCCAGATTGTCCAGGGCCACATTGAATGGCAGACGGCAGATGTAATTG
TTAATTCTGTAAACCCACATGATATTACAGTTGGACCTGTGGCAAAGTCAATTCTACAACAAGCAGGAGTT

Table 6
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GAAATGAAATCGGAATTTCTTGCCACAAAGGCTAAACAGTTTCAACGGTCCCAGTTGGTACTGGTCACAAA
AGGATTTAACTTGTTCTGTAAATATATATACCATGTACTGTGGCATTCAGAATTTCCTAAACCTCAGATAT
TAAAACATGCAATGAAGGAGTGTTTGGAAAAATGCATTGAGCAAAATATAACTTCCATTTCCTTTCCTGCC
CTTGGGACTGGAAACATGGAAATAAAGAAGGAAACAGCAGCAGAGATTTTTGTTTGATGAAGTTTTAACAT
TTGCCAAAGACCATGTAAAACACCAGTTAACTGTAAAATTTGTGATCTTTCCAACAGATTTGGAGATATAT
AAGGCTTTCAGTTCTGAAATGGCAAAGAGGTCCAAGATGCTGAGTTTGAACAATTACAGTGTCCCCCAGTC
AACCAGAN
Table3 4766
ACCTCCCTCACCAAAGCCCATAAAAATAAAAAATTATAACAAACCCTGAGAACCAAAATGAACGA
AAATCTGTTCGCTTCATTCATTGCCCCCACAATCCTAGGCCTACCCGCCGCAGTACGACTACTACAACCCC
GAGCGCAGATGTTCTGTGTTTTACGGGGCCCCCAAGTAAGGAGCAGTACTCTTGGCCAACCCTTGTGTTCT
GCTGAAGTCTGCCAGTGTGCTGAGGGGAAGTGCCCTCGCCAGCGTCGCGCCCTGGAGCGGGGTCTGCAGGA
CGAGGATGGCTACAGGATGAAGTTTGCCTGCTACTACCCCCGTGTGGAGT
Table3 4768
ACTGAGAGGGCAAACCAAGGACAGAATAGAGATATGTGGCAGTGGCAACCCTTACAAAATCAAAC
ACTGGACATGATACATGCCTGCCCTTCTTGCTTACATGTGAAGTATAACCAATGTGCCAAATGCTTTTATA
ATTGACTAAAGCAGCCACACCCCACCCTGCTCAGAAACAGAAAGCTACTGCAGGCCCCTACAAAGTGAGTG
AGAGTGTGTGAGCTCCTGCTGAAGAGGTGAGACCCAGATCATAGTTCCTACTTGTTTCTCTATGAAGTGGA
AATACAGAAAAAGAAGCAAATGTAAGCATAAATTGTCTATGTTTTAAAAACAGTTCAGCTCATGACTTAAA
TTTGGTGTCAAGCTCCTTGCTCTAGTATGTGTCCTCAGGGTCACCTTCATGGCTTAATTTTAAGAAGAGAG
CAAAACAGAATTCAGCTTTGATCTGAATATGAATTTAGATAGCAAGTGAGCTTGGGTGATGACATTTCTAT
ATCATTTTCTATATTTCAAAGGACAGTGGGAGGATAGACCTTGCCTTTCTGATTAAAGCTGAATCTAGGCC
GGGCTCAGTGGCTCN
Table3 4769
CGTCCGCGCCTTCCTCcgacgCACTGTGgggggctGCAGGGGAAGCTGCGGGCCGTGGGGGCCGGA
GGAGAAGCCGGCTCCACGCGCAGCTGCTGTACGGAACGCCGTGAGTCTCAAACATTGTCTCAGCAGCAGCA
TCATATCTTACAAAAGTTGAGGAAATACTGTATTTCCAGCTTAGGAAACTGAAGATTCCTCCGGCCTCAGA
TGACCAGGCACCACTAGATACAGAACACTGTGCTTTCCTTCTCCAAGTCACTTCCTGCCTTGTGACCACAC
ACCCAGGCTTGACAAAGCTGTTCTGCAGATCAGAAAGAAGGGGTTCCTGGTCATACACCAGTACTACCAAG
GACAGCTTTTTTCCTGCAAGATCTGTTACCTAAAGCAATAAAAAATGGCCAGAGGATCAGTGTCCGATGAG
GAAATGATGGAGCTCAGAGAAGCTTTTGCCAAAGTTGATACTGATGGCAATGGATACATCAGCTTCAATGA
GTTGAATGACTTGTTCAAGGCTGCTTGCTTGCCTTTGCCTGGGTATAGAGTACGAGAAATTACAGAAAACC
TGATGGCTACAGGTGATCTGGACCAAGATGGAAGGATCAGCTTTGATGAGTTTATCAAGATTTTCCATGGC
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GATCTCTTTAATGCTGTTGGAGATGGCATTGTCCTTTGTAAAATGATCAACCTGTCAGTGCCAGACACAAT
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ACTCTGCCTCAGCCATCGGGTGCCATGTGGTCAACATAGGGGCTGAGGACCTGAAGGAGGGGAAGCCTTAT
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AGCTCTGATTGCTCTTTTGAGAGAAGGTGAGAGCCTGGAGGATTTGATGAAACTCTCCCCTGAAGAGCTCT
TGCTGAGGTGGGCTAATTACCACCTGGAAAATGCAGGCTGCAACAAAATTGGCAACTTCAGTACTGACATC
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ACCAGAGAACCAGGACATTGACTGGGGGGCTCTTGAAGGTGAGACGAGAGAAGAGCGGACATTTAGGAACT
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CACTCCTGACTGCCCGGCACAGATGCTCCAGGGATGATTCAAGCCATTCCAAAGTTCAACTTGGTGACACT
CTATAAGATTCCAAAAAGCACATATTAGTGCAGCCAAGTAGCCTCTCCTGTATTTAACAAAAAGTGCTTCA
TTCTTTGCAGGAGGCCCAACCTCCTATATATAGGTTTCTATTCTTGATTTATTTGCTTCTTCGAAAATCTA
GAGGAAAAGAAAGAAGTTATTTTCCAGGTACCCTTCTCGCTTTTGCCATTAGCCAAGGATAGAAGCTGCAG
TGGTATTAATTTTGATATAATCTTTCAAACCAGCTTCTTGTGGCTTCCCTTTTCTTTGTTCAAGATGAGGG
CCAGGAGGGGAAACATCACACCTGCCCTAAACCCTGTTCCTGGAGGTCAGCATTTGATCTGTTGCAAGCCC
CTCTTTCTGTCCCCTCTTCCTACCCTGCCTCCCATGACTTTGCTCCTCACACTTTTGGAACCATGCCTTCC

Table 6
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GGGGGGGCCCATCTCTTCTGGGCGTCCTTGTCTCTGGGCCACTTGGAGTGTGTGATAAATCAGTCAAGCTG
TTGAAGTCTCAGGAGTCTCTGGTAGCCTGCAGAAGTAAGCCTCATCATCAGAGCCTTTCCTCAAAACTGGA
GTCCCAAATGTCATCAGGTTTTGTTTTTTTTCAGCCACTAAGAACCCCTCTGCTTTTAACTCTAGAATTTG
GGCTTGGACCAGATCTAACATCTTGAATACTCTGCCCTCTAGAGCCTTCAGCCTTAATGGAAGGTTGGATC
CAAGGAGGGTGTAATGGAGCATCAAGCCACTCGGCGGCAGCATGGAGCTATAACTAAGCATCCTTTAGGGT
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TGGAGGCAATCCTACCTTGCTTTTGCTTCTAGAGCTTAGCATATCTGATTGTTGTCAGGCCATATTATCAA
TGTTTACTTTTTTGGTACTATAAAAGCTTTCTGCCACCCCTAAAACTCCAGGGGGGAAAATATGTGCCAAT
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AGAAATGGTGGAACTGCGTTATGAAGAGCTAATTTACTGGACAAAGAATTCCAAAGCAAAACCAGAACAGT
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CATTGTGAACCAATGCAAGACGCCCTCTATCATGGTGAAAAGCTCCATCAATGAGGTATCTTCTTTAGTGG
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TGGACTCAGAAAGCCAACATGTGGCTCCTCCCAGCCCATAACCAGTATTTTTGCTGCTTCTGAATACAAAT
TGGTTGGTTTTGACTTCAGATTGAACTTACTGTAGCCTCAGATGATTTCCCCCCTCCGCCTCCAGGAAGAA
AGAATGTTACTGCCTTAATAAAAAATGAAAAGAGAATGATGCTCAAAATCTTTCCAAATAAAATGTTCCCT
ATAAAAAAAAAAAAAAAAAAAAAAGT

Table3 4770

NNNNNGCGTCCGCGGAGGGCGCTGCGGTAAGGAGCAGCCGCCACAGGCACAGCCGCTTCGCAGCC
TCCCGCCGCTGGTTTGTCAGCCCCGCGGCTGCGGGCGGCCGGGCGGCCGAGCGCGCTCTGAGGTTCGTCCC
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CCTCCTCCCCGCCCCCGCCCAGACTCCCCCCGCGCCGCCGCCGACCGCTACCGCCGCCGCCGCCGCTGCGC
CTGCGCTCCTCGCCGTCCGCGCTGCAGTGCGAAGGGCTCGAAGATGGCCGGTTGGCAGAGCTACGTGGATA
ACCTGATGTGCGATGGCTGCTGCCAGGAGGCCGCCATTGTCGGCTACTGCGACGCCAAATACGTCTGGGCA
GCCACGGCCGGGGGCGTCTTTCAGAGCATTACGCCAATAGAAATAGATATGATTGTAGGAAAAGACCGGGA
AGGTTTCTTTACCAACGGTTTGACTCTTGGCGCGAAGAAATGCTCAGTGATCAGAGATAGTCTATACGTCG
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ATCTGGCAACATAATTGCAGCACAATAATGATTTGCATGATACCTTGAAATTGGGGGGAGGGGGCATGCCA
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TTTCTTTCGAATGGCACTACTTTAGGGACATTCTAGTATTTGCTTCTATTGTTTGGGCCTTGTGGATAATG
TACAGATTTAAAAACAAATCTTGTTGCTGATTTGTCCATTTCTTTCCCTGCACTTTGTTACATCTGGGATA
CAGTCTAACTCATCTGATTTAATATGCATTTAAAAAAATGCCATAACTATTAAACACCTTGTTTACAGACA
GATGAAATAAATTTATTCCAACCAAAAAAAAAAAAAAAAAAAAGGGGGGGAAATAAGGGCCAAGCCCTTAA
AGCTTGAGAAAAAAGCNNNNNNNNNNNNNNNNGGCCGTTAAACTAGTTTAGGGAAAAAACTTCCAAAACNN
NNN

Table3 4771

NTATAGGGAGTCGACCCACGCGTCCGGGCTTCGGCCGGCTAAGCCGCGGCCACCCGCGGTCTGAG
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CGGAGTGGTCGCTCGTCAGCCGCCGCCCCTCAGTCTCCGCACTTGCAGGTCCCCTCCCTCTCCGCCGGGAC
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CGGGGCCGCGCTGCACCTCTGGCTGCGGCTGCGCTCCCCGCCGCCCGCCTGCGCCTCCGGGGCCGGCCCTG
CAGATCAGTTGGCCTTATTTCCTCAGTGGAAATCTACTCACTATGATGTGGTAGTTGGCGTGTTGTCAGCT
CGCAATAACCATGAACTTCGAAACGTGATAAGAAGCACCTGGATGAGACATTTGCTACAGCATCCCACATT
AAGTCAACGTGTGCTTGTGAAGTTCATAATAGGTGCTCATGGCTGTGAAGTGCCTGTGGAAGACAGGGAAG
ATCCTTATTCCTGTAAACTACTCAACATCACAAATCCAGTTTTGAATCAGGAAATTGAAGCGTTCAGTCTG
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AACAAGCTGTGGTACAAGCCCGTGGAACAATTCATCTTACCAGAGAGCTTTGAAGGTACAATCGTGTGGGA
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Table 6
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TCAGAGTCATTACAGCTGGGGAGGGTGCATTGCCTCATGAATTCTTGGAAGGTGTGGAGGGAGTTGCAGGT
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ATAN
Table3 4772
TCCGAGACACTGGTATCATTTCTTGAATGAAACACATTTTACAGATGAGGCAACTGAGGCTGAGA
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Table3 4773
CTCCCTCACCAAAGCCCATAAAAATAAAAAATTATAGCAAACCCTGAGAACCAAAATGAACGAAA
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Table 6
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CTGAAGGATCCTGTTCCCAGTGGGTTTTTTGGAAGGGGAAGTTCTGATTCCCTTAGCTGACGAATATGACC
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Table3 4774
CTGAACTTATTTGTTAAAGAGTTGTGGCCTATTACCTCCAAATAAGATGCCAATAAATTAATTCA
TGAATACTAAATAAAATTAAAGATGCTAATGGACTCTTGTGTGAAATAGTTTAGAATTCACTTAATAAATT
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GACCATCTCTCGCCGCCTCAGAGAAGCCCAGACCGAGGGAAGTGAAGCCTCACGGTAAAAAGAATTAACCG
CCGTGGGCTCCCGGACCTTCTTGGCCCCCCCGCGTTAATtaatnctagaagtatttccga
Table3 4775
NNAGCTGTTTCCTGTGTGGCAAAAAAACGCCCGACCGCGGGGGCGGCCGTGGTTCCCTGGGAGAC

Table 6
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CTAGCGCGTCCAGGTGGGAGGTTAGTGTGGCCCGGGCGTCCGCTCCTCAGCGGATGTGGCAGCCCCGAGCC
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CGCACCCCCACAGCATCTCTCCGCGACACACAAGCGGGACGGGCCCACAACAACGAGGAGAGCCGCACACA
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GCGGCGCAGAGCACCAAGCAAGCGAAAGACGACAAGCACCACGCGACAGACAACGCGCACACCGGCGCGAC
CGCGGAGGCAACCGACAGAGAGAACGAGAACAGCACACGACGCACGCGCAGAAGCCGGAAACCAGGGAAGC
GAGACAAACGCGAGCATAGGACANNNN

Table3 4776

ACGCGGGGGAGACTTCTCCGCCGCCTCCGCCGCAGACGCCGCCGCGATGCGCTACGTCGCCTCCT
ACCTGCTGGCTGCCCTAAGGGGCAACTTCTTCCCCAACGCCCAAGACCTTAAAAAAAACTTGGACCAGCGT
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TCATTGCCCAGGGTATTGGCAAGCTTGCCAGTGTACAGGTGAAATGATATGTTACTGGTATTCGCTTCAAA
ATCATCTGAGTGTGGGGTAATTGAGTACCTCNNN

Table3 4777

ACAATATGATGGAGTCTTTCTCTGTCGCCCAGGCTGGAGTGCAGTGGCACGATCTCGGCTCACTT
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TCAGAAAGTTCTGCTTCTCAGGTAACTTAAATGGAAATGGAAATGATGAGTGCTGGGAAGAGGTATTAAGT
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Table3 4779

NATTCTCCTGTGAAATTTTCTCCCAGTGGCGCCCATCTCCGGGGGGGCCTCTTTGTCTCTTCTCC
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GTAAGTACTGTGGCATGGCGCAGTGGGTGACAGATGGCCACATAGCGGTCAAAAGCCATGGCCAGCAGCAC
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Table 6
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CTGAACTGTGACCAGCACCAGGCAGGTAGAGGCTCAACCGTATGGAAGGAATGTGTGACCCCCTTTGTCCA
GTCNNNN
Table3 4783
GCGTCCGGCAATAACTTGCTTTGTCACCTCGGCAAGTCATTTCCAAATCAGGAAGGGGTCAGTTT
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NNNN
Table3 4785
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Table3 4787
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Table 6
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TCAGGGCTGGGGGAGAGCCGGGTTCATTCCCTGTCCTCATTGGTCGTCCCTATGAATTGTACGTTTCAGAG
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Table3 4788
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TCcctgtactaTACTggaga
Table3 4792
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Table 6
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CATCTCTGCACCCCACAAACAACATGGTCACCCGCGTCTTTGTGTGTGTCCACACTGAAACTGAGCGAGAA
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GCGCAGGCAGATGACTGAGAGCAATTCCCAGCTCTCAGGAACAGACAGAAATGTCTCCAGAACCCACTCCC
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GGACGCGTGGgtcGACTCCCTATa
Table3 4793
NNNNNNAAAACAGGCATCGGCCGGGTCCGCGGAAACCGTGCCCCGCGGATTGGAAGGCCAGCAAT
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TCCACCTCACGGACAGACAAGTGAAAATCTGGTTTCAGAACCGCAGGATGAAACTGAAGAAAATGAATCGA
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NNNNN
Table3 4794
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taac
Table3 4795
NNCTACAGCGCGCGGGGGTCTCCCGCGTCCCTCCGCCTCGCCGGGAGCTCGCGCCCTCGCCCAGC
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Table 6
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Table3 4796
CACGCGTCCGATTTTTTTGTACTTTTCTTATCCTAGTCTCTTATGAAAGAAAGATATAGTAACTA
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Table3 4797
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Table3 4798
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Table 6
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ACCTCCCATGTATCACTACTCTGGGCCCCCATTCATTCAAGAGGAGACCCATGGGGAACAAGGCAAGGTTG
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Table3 4799
ACCTAACTGCCGAGATCCTGGAGCTGGCGGGCAACGCAGCCCGCGACAACAAAAAGACCCGCATC
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tgatc
Table3 4801
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GGCAGCAGTGGCAGTGGATTGATGGGGCCATGTATCTGTACAGATCCTGGTCTGGCAAGTCCATGGGTGGG
AACAAGCACTGTGCTGAGATGAGCTCCAATAACAACTTTTTAACTTGGAGCAGCAACGAATGCAACAAGCG
CCAACACTTCCTGTGCAAGTACCGACCATAGAGCAAGAATCAAGATTCTGCTAACTCCTGCACAGCCCCGT
CCTCTTCCTTTCTGCTAGCCTGGCTAAATCTGCTCATTATTTCAGAGGGGAAACCTAGCAAACTAAGAGTG
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TCTCGAGCAGTCTAGAAGAGTGCATCTCCAGCCTATGAAACAGCTGGGTCTTTGGCCATAAGAAGTAAAGA
TTTGAAGACAGAAGGAAGAAACTCAGGAGTAAGCTTCTAGACCCCTTCAGCTTCTACACCCTTCTGCCCTC
TCTCCATTGCCTGCACCCCACCCCAGCCACTCAACTCCTGCTTGTTTTTCCTTTGGCCATAGGAAGGTTTA
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Table3 4802
ACTTTGCTTTAGTAAATATCTTAGGATTATTACTTTTGTTTTCCAGTAACCTTGCTAAGCTTCTG
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ACCCATGCTTTGAGACATCATGGGAAACCACATATATGACCCATTATCTTGAAGTGGGTGTGGCTCTGGAG
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CCTCTCCAAATCTTCCAGCAAAGTCACCACCTCTTCTCCACTCTCAGN
Table3 4803
TCGACCCACGCGTCCGCTCACAGCCCAGCCCCCTCCAGAGCCCTGCCCCACCGCACCCTGCTTCT
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TTTTTCGGGGAGCTCGGCTCTTAAGATGCGAGTCTGCTGATGCTCCCGGCCGAATAAAAAACCTCTTCCTT
CTTAAAAAAAAAATTGGTGCGGCCGCAAGCTTATTC
Table3 4804
NNCCTAACAACCTGGCTGGCTGGCACTTCTAAAAACCGATCCTGAGGCAAGGCTTCTGTAAAAGA
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Table 6
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GGAAGGAATAAAGTATGAATTTTCAAGCTGGTTACCCATCTGGGCAACTGGAGCTCAGTTTTGCTGGGAAA
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TACTACACCAACCAGCTGGAAACTATACAAAGAGTATGAACAAAGTTCACAGGAGAAACAAGGCTCTGCAA
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Table3 4805
NATAGGAGTCGACCCACGCGTCCGCCGCAAGGAGGAGCCGGCGGTAGCTTGGTTCCTGAGCGGAT
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CTTTGCCTCCGGGCCGGGGAATCACACACTGGTCGTGACCAGGGGCCGGGGCATTCAACACCGGCCTTCCA
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Table3 4807
acccacgCGTCCGGTTATTTTTGaTTCTttatGGGAAGGGGCGGCACAGGGCCGAGGCGTAGTGT
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TCTATTGCAGCAGACCATGCTACGAGTGAAGGATCCTAAGAAGTCACTGGATTTTTATACTAGAGTTCTTG
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TAGAACAGTTCCCTTCAGAGGCTGCATTTGCCTTCTTCTGCCACCTAAATATTACTTCCCTTCAAATCTGC
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Table 6
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CAGAAACAACTTTTTTCACAACGGAAAGGAAAGAACACTAGTGTTCTTTCAGTAAAGTACAAAGTGTTTAT
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ACTCCCAGCTGTCATGTGAGAAAGAAAGCAGGCTAGGCATGTGAAATCACTTTCATGGATTATTAATGGAT
TTAAGAGGGCATCAATCAGCTCAACTCAAGATTTCATAATCATTTTTAGTATTTAGATTGTGCCTCAAAGT
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TGGCTCTTGGG
Table3 4812
aagtagctgggattacaggtgcacaccaccatgcccagctaattgtatatttttagtagagacg
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TGCCCTGTGTATTCTGCTGTGATCCCCTTAACGGCTTTTCTGTGCTACTAGCTTAGCCCTAGGCCTTTTAT
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CAGGCTGCAGTGTCTGCAATGCAGAGGGCTTGGGGAGGTTTGGGTACTCTCTGCTGCCACTACTGGGATGA
TATTCAGAAGAGAGAGGACCTCATACTGTGACTGGACCCAGGACCCTCCCTGGAAGAGAGCTCAGCCCAGC
TGTGTGTGTGTGTGTGTGTGAGTGTGTGTGTGTGTTTGTGTGCTGTGCTCATGTGCACCTGGGTGTAAA
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Table3 4813
NATAGGGAGTCGACCCACGCGTCCGGGACAGGAAGTGTCAGGACTTTACGACCCGCGCCTCCAGC
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CGGGTGCGTCCTCTCTCAGGAGTGCACGAAGTTCAAGGTCAGCAGCTGCCGGGAATGCATCGAGTCGGGGC
CCGGCTGCACCTGGTGCCAGAAGCTGAACTTCACAGGGCCGGGGGATCCTGACTCCATTCGCTGCGACACC
CGGCCACAGCTGCTCATGAGGGGCTGTGCGGCTGACGACATCATGGACCCCACAAGCCTCGCTGAAACCCA
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GTGCTGAAGCTGACCAACAACTCCAACCAGTTTCAGACCGAGGTCGGGAAGCAGCTGATTTCCGGAAACCT
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CCATCAACTGTGAGCGCTACAACGGCCAGGTCTGCGGCGGCCCGGGGAGGGGGCTCTGCTTCTGCGGGAAG
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Table 6
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CCACCTGAGCGACCTCCGGGAGTACAGGCGCTTTGAGAAGGAGAAGCTCAAGTCCCAGTGGAACAATGATA
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Table3 4814
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CCTCAAGACTAGTGAGGCCTGTCCCCACCATCCCTGGCCTTGTTGTGGGGCTCAGGAACTCAGAGTCCCAG
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CATTCCGCCCACGACGCCACCGAAGCTGTGGCCCAGAATGGAGAATCGATTCCATTTCAAGGCTGCCACAA
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Table3 4815
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Table 6
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ACAGACATGCACATACACTCACACGCCCCAGGAAATCCAAGGAATCACTGAGCCTGCTGTTGGTTGAGGCA
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GGCTCACGCCTGTAATCCCAGCACTT
Table3 4816
NNNNNNNNNNNNNCGGAAGTCTTCTAGAATTAATTAACGCGGGGGCTGATGCCATTTTCAGCCTCA
GCACGCCTGCACCCAGGCGCTCATTAAAACAGCATGTTGCTCCCCACTGCCTCGTGTTGTCTGTTGGCGCG
CTGTCGGGGTTCGAACCGATACAAGAACCTTCCACCTACCTGGTGCTTTGGCCTCATCTATAAGCTTTTCC
ACTGTCCTGAAACAAGATAGAGAATCTGAGCGGCCAGTCATCTGCCCTAAGTGCTGCCGCCGAAGACTGAA
TGTCCTGGAAAGTTTGCTGTCACATCTCCATTATGACAAAAGCATTGTGCCGAACAGATGAAAAAATGCAT
TGTCAACGGAATCTTTTATGTTTGTTTGTCTTCCTTTAAGCAACATTGCCTTACTTGTTATAAAAGATAAA
TAAATATTTGTTCATTTCAAAAAAAAAAAACACCCAGCATAACACACAACAAAAACGTTTGTTGGCCGCGC
ACGAGCGACCCCGAAAAAAAGGCTTTCTACAACCCAACTCGTTGGGGGGCCCAGCGGCACCCAAAGATGAA
TATGGCGACACGTGCCCACACAGCGGGTCCCAAGAGAACCCGTGCCGAGCCACTGGGCGCTGGTTTCCCCC
CAAATAAAACGCCCGGGGGACCACGGGCCGTTCTGGACACACTCAGAGGGGCTCCGAGCGCCAAACGGGCT
ATCAACACGGGGCCAGGAGCTGAAAACCGCCCCGCGNNNNN
Table3 4817
NNNACGCGGGGGTCGGCGCCATTTTGTCTCGGCAGCGGTGGCCGTAGCTCCATCGCATTTTATGT
TTCTGGCGAGAAGGGAACGGAGTTTTCATCAGGTAGATTGGTTTTTGTGCGGCCGTCCTCCACCGTTTCCT
CCAGGACAGCACCTAGTCGTGGCCGGAGGAGTCTCAGAGCTGTCAGAAAGAATAAGACTGATTTTATGGGA
AAATTAAGCAGATGCTCCAGTTTGAGAAACCTGGATCTGCGATCTGTTTGTGGCTGGGTGCAGTGGCTTGT
GCCTGTAATCCCAGCACTTTGGGAGTGCTTTTATAAGTCTAAATATATTCTTTGGAATCTCTAAAGCAAAA
CTTTTAAACTTTNTTTTTTTTTTTTTTTTTTTTTTTAGGTACCAGCATCAAGATGATTTATGGTAATAAGGT
ACTCAGTCTTTGCTTAAAATAAATTTTACGTTTACCAAAAAAAAAAAAAAAAAAAAAAAAAAACATGTC
GGCCGCCTCGGCCCAGTCGACTCTAGACTCGAGCAAGCTTATGCATGCGGCCGCAATTCGAGCTCACTTGG
CCAATTCGCCCTATAGTGAGTCGTATTACAATTCACTGGCCGCCGTTTTACAACGTCGNGACNNNN
Table3 4818
NNNNNNNNNNNCGCTCTCCGTTCGGCGGCGCTCCCATGGCGCACATTACCATTAACCAGTACCTG
CAGCAGGTGTACGAAGCCATCGACAGCAGAGATGGAGCATCTTGTGCAGAGTTGGTGTCTTTTAAACATCC
TCATGTTGCAAACCCACGACTTCAAATGGCCTCTCCAGAGGAGAAGTGTCAACAAGTCTTGGAACCCCCTT
ATGATGAAATGTTTGCAGCTCATTTAAGGTGCACTTATGCAGTGGGGAATCATGACTTCATAGAGGCATAC
AAGTGCCAGACCGTGATAGTCCAATATCCTTTGTCGTTCATGGCAGCTGTCCCGCATAGAACACATGCAGT
GGATTACTTGGGACTTGAGACCCGGAAACACTGGGCCAGTTGCTCATTTCTGCAGTTAGAAAGGAATGACA
GTGTTTTGGAACAGAAGCTCGTTTCAGCTCTTTCACTTGGTACATCATTCTTGCGAGCATTCCAGGCCCAC
AAAGAAGAAAACTGGGCTCTGCCTGTCATGTATGCAGTAGCGCTTGACCTTCGAGTGTTTGCCAATAATGC
AGATCAACAGTTGGTAAAGAAAGGAAAAAGCAAAGTTGGGGACATGTTGGAAAAAGCAGCAGAGTTACTGA
TGAGCTGTTTCCGGGTCTGTGCCAGCGACACCCGTGCTGGTATAGAGGACTCTAAGAAGTGGGGCATGCTG
TTTCTGGTGAACCAGCTGTTTAAAATCTACTTCAAGATCAACAAACTCCATTTATGTAAACCCCTAATTAG
AGCAATTGACAGCTCAAACCTGAAAGACGATTACAGCACTGCACAGAGAGTAACATACAAATACTACGTTG
GACGCAAGGCTATGTTTGACAGCGATTTTAAGCAAGCTGAGGAGTACCTGTCATTTGCCTTTGAGCATTGT
CACCGTTCTAGTCAGAAGAACAAAAGGATGATTCTGATCTATTTGCTTCCAGTAAAAATGCTATTGGGTCA
CATGCCCACTGTGGAGCTCCTGAAAAAGTATCACCTGATGCAGTTTGCGGAAGTAACCAGAGCTGTGAGCG
AGGGCAACCTGCTGCTGCTGCACGAGGCGCTGGCGAAGCACGAGGCCTTCTTCATTCGCTGCGGAATCTTC
CTCATCCTGGAGAAGCTGAAGATCATCACCTACAGGAACCTCTTTAAGAAAGTGTATTTGTTACTGAAAAC
ACACCAGCTGTCTCTGGATGCTTTTCTGGTTGCCTTGAAGTTCATGCAGGTGGAGGACGTGGACATTGACG
AAGTTCAGTGTATTCTGGCTAACTTGATATACATGGGACACGTCAAAGGCTACATATCGCATCAGCATCAG
AAGCTGGTGGTCAGCAAGCAGAACCCATTTCCTCCCCTGTCCACGGTGTGTTGAAAGTACACGGAGCCCCG
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GCTCACTTTTCCTAAGTGTGGTTCCTGAAGGCTGTCTTTGTAACTTTTTGTAGTTCTTTGTGTAAAAAGCG
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TTTGAATGTGTTATCAAAATGCTTGGTTAACTTAAGGCACCTTTTTAAAAGCAGAATTTAATTTGATTTAA
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TATTTTATTTGCCTTTGCTTTGTTGGTTAAAAAAAAATTTCTTTTAAAAAACCATCTTAAATTGAAAATAC
ATTTAATACACCTGCTACN
Table3 4819
NNNNNAGCGTCCGGCCTGCCGGGGTTTTCCACCTCATCCCTTTCCTCCGGCCCCTTGATTTGTGC
TGGACAACAAATGGCAGCACCAGGACCTCGCCTCATGTGGCTTTGTCTTGGATCTTGCCCTTCTCCATCGC
TGATGTGATACAGCTCTAGAATTTCGTGAAGTTGCATGCAAAGTTGCATGCAGCCCGTGGGTATGACTGTC
TCAGGCCCCCAGCTCATTTGCCAAGAGGAAACCTTAACCCCCCTGAGAGGGTCTGCGTTTCTTCTAGAGCT
CCTACCTCAGTGGTGTGCACAGAGTTGGAGACACCTGAGGGCTGGTCCACGTCTCACCTTTGCCATACGGG
TCATTTCTTGATCAAATATATGACTGGGGTCCTGGTTTACTCCCGCCCACCCTTTCTTTTAAAGTATTCTT
AACATGAAATCCACAAAAGCGGAAACAATGAACCATTCTTGCACTTTACAGAATCATTGTCCTTAGCTTTA
GAGGTTGTTAATTTCTTGTTTTTAACATGAACAGAATGTGTGGTTCTGAAGGTGTGTGGGGGTCTCAAGAA
ATTGTCCTTTGGGGCCGGGCGCAGTGGCTCACGCCTGTACTCCCAGCACTCTGGGAGGCCAAGGGGGACGG

Table 6
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ATCACCTGAGGTCAAGAGTTTGAGACCACCCTGACCAACATGGTGAAACCCCGTCTCTACTAAAATACAAA
AATTAGGCAGTCGTGGTCGCCTGTAATCTCAGCTCTTCCGGAGGCTGAGGCAGGAGAATCGCTTGAACCCA
GGAGGCAGAGGTTGCAGTGAGCCGAGGTTGCGCCACTGCACTCCAGCCTGGGTGACCGAGTAAGACTGTCT
CAAAAAAAAAAAAAAAAAAGAAAAGAAATTGTCCTTTGGTTGCCTTAGTTACCAGAGTTGAATGAATGTAC
ACATTTCGGTAGTGGGGGGGCAGAGCGGATAACCCCTTCCTTGTCTGTTTCCTTTGAGAAAGGACACTCCA
CCTTTTCAAAGGTACTTAAANN
Table3 4820
CGGTTTTTTTTCTTATGCCACGGGAAGTTTAGAGAGCTAAGATTATCTGGGGAAATCAAAACAAA
AACAAGCAAACAAAAAAAAAAGCAAAAACAAAACAAAAAATAAGCCAAAAAACCTTGCTAGTGTTTTTTCC
TCAAAAATAAATAAATAAATAAATAAATACGTACATACATACACACATACATACAAACATATAGAAATCCC
CAAAGAGGCCAATAGTGACGAGAAGGTGAAAATTGCAGGCCCATGGGGAGTTACTGATTTTTTCATCTCCT
CCCTCCACGGGAGACTTTATTTTCTGCCAATGGCTATTGCCATTAGAGGGCAGAGTGACCCCAGAGCTGAG
TTGGGCAGGGGGGTGGACAGAGAGGAGAGGACAAGGAGGGCAATGGAGCATCAGTACCTGCCCACAGCCTT
GGTCCCTGGGGGCTAGACTGCTCAACTGTGGAGCAATTCATTATACTGAAAATGTGCTTGTTGTTGAAAAT
TTGTCTGCATGTTAATGCCTCACCCCCAAACCCTTTTCTCTCTCACTCTCTGCCTCCAACTTCAGATTGAC
TTTCAATAGTTTTTCTAAGACCTTTGAACTGAATGTTCTCTTCAGCCAAAACTTGGCGACTTCCACAGAAA
AGTCTGACCACTGAGAAGAAGGAGAGCAGAGATTTAACCCTTTGTAAGGCCCCATTTGGATCCAGGTCTGC
TTTCTCATGTGTGAGTCAGGGAGGAGCTGGAGCCAGAGGAGAAGAAAATGATAGCTTGGCTGTTCTCCTGC
TTAGGACACTGACTGAATAGTTAAACTCTCACTGCCACTACCTTTTCCCCACCTTTAAAAGACCTGAATGA
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TCATCACACTGCATTTCAGCCATGGTCATCAAGCCTGTTTGCTTCTTTTGGGCATGNNN
Table3 4821
NNNNNAGATGTGTGCACACCCGGATGTTGTCCGGCTTATCGTGGGCGTCCCAGAGGCCCCGCAGA
GTGTCCTTCCAAGTCGAGGCCTGTTCCCGGCGGCGTTAAGCGCGCCGTGCCCGGTCTTATAAGGTCTCCTT
AGGGCCCTTGACCAAAAGCGGGACGCTAAGTTGGCCCCGGGATTCTTTTGACCCGCGCCCTTGTTGTGTTT
TTGGCAATCAGTTTATGTTTAAAGAATTATACGTTACATGTTGACATAGAAAAAGACATTTTAAAGAATGT
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GGGAGGCCAAGGCGGATGGATCACCTGAGGTCAGGAGTTCGAGACCAGCCTGGCCAACATGGTGAAACTCC
GTCTCTACTAAAAACACAAAAATTTGCTGGGCATGGTGGTGTAATCCCAGCTACTCGGGAGGCTGAGGTAG
GAGAATCACCTGAACCCGGGAGGCAAAGTTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCCTGGGC
GTCAGAGCGAGACTCTGTCTCAAAAAAAAAAAAAGCATTTGTTCTGAATGTGCCTCATCATCCCAGGCAGG
CATCTGTAAGTTTCCATTGTTTCCACAAAAACCAGTGGGGTTCCCCTCTCTGGAAAAAAGCACGAACATTC
TTGCTGCTTGGCAATGGGTGGCTCTCATGCCCACACCTCTCCACCCAAGGGAACAGTCTCTCTGCTCCTCA
CCTGGCAGAAGCCCAGACCCTGAGTCCCTAGCGCGGGGCAGAGCACAGAAACATGATCCAGATGCAGCAGG
CCCCGCCCGTCTAGTTCTCCTGCAACAGCCTCTTAGCACTGCTCCACTCTGACCTGCCCGGCTGGAATCAC
AGTTCCCACTCCGGCACAGGTAAAGATGAGCTCCCAGGATCCAGCAGGGGCTCTGCCCCTGGGGATCTGCC
GCCAGCCGGCTCTTCCCGGTGGACAGAACTAGGAGGGGCAGGCTGTACCCAGCACATCTCAGAGAGATGGA
GGCAAGCTGGGTTCCTGATGATTTCCAGCTAATACAGGTCCTTCCTCCTGCATGCAGGCGCCCCGTAACGC
TTTATAACAGACGCCTCTAGACTTCTGTGGGGGTAAAGTGAAGGACCCAAAGCGACACAAGTAGTGTCTGT
TCACACTTCCACTTTCAAAGCTAACTACTAGCTGTTCAAATATACTCCATACAGCTTTCAGCAAATCAAAG
TGTTTACCTCTCCCACACCAAGGGAAGAAAAGATGCAGACTGCCTTTAAAGCACCTGTCAGCAAGGCGAGG
GTTTTAAAGATCAGCCTTGAGAATCAAAGCAGCAGCAGAAGTGTCATTACTCCAGTGCTCTCCCTTCCCGT
TCGTGGGTCACACAGAGACAGGCACATCCCCAGCGCTTTGCAAACAGAAGCGCTCCCAAAAGTTGGCTAGA
GGGTACACTTCGGCAAAGGGATCATCTTCCCCCTGGCTTGCTGGACTCTTGGAAATGCGTCTGAAAGCCCT
TGCCATCCCGTCTTGTGCTGATGACAGCATGAGCCCGGTTGCACCTTGCTCAGCAACAAGCTGCGAGATCC
TCAGCTTCTCACTCATACCCCACCTTGAGCTGCTGACGGCGGCCTGGAGAACCGTGTGTGGCTGTTCCTGG
ATGACATCTGCTGTCACTAGCCTTCCCAGAACACCCGCTGCCCAGGGTTCCTGCTGCCTTCCCCGGTGGAC
AGATTTTGCAGGGAAGACTGAGGAAATGGGAGGGGGAGCTCTGCTCTAAAGCAGAAGGCACAGAAGGTGGG
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ACCCCCTCTGCATGATTGCTGGTCAGTGGACGAGAGGTAAAAGCAGGCAGGATTATTACAGGAATAAATCT
GCACTTCCAAAGAGGCAGCTCCCATGACTGAGTTTACAATGCTTGGAGCCCCCCAGGGCAAGAGTGGCACC
AGCTGGGAGGTTGACACTGCATCACTGCTTCGGATGCCCTCACAGGCTCTGACTCGCTGCCAGGTGCTGGT
GAGGCTGGAAGAACTTCCTTCCTTCCTATGTACAATGCAAACAGTGCCGCTTCCAGTGCTACCCACACGGG
TGCAGCCTCACGGGAGAGTTGCGGAGAGAGGGAATGCGTTCAGTTCAGCCAGCGGACGGCCAGGGGTAAGC
GGCCCCTAGTGGGTCACATGGCCTATGATGTCTGGAGACCGCAGATCTTCACCCTCTGGAGTCTCATTTGC
AGAGTCTCATTTGTCGTCCGGTCACTGTGGCCACCTCACCCTCGTCACCACGGGCCTTTCCTGTGCCGTGC
TCACTCTGACACTGAGATGCTGCCAGGCAGTTTTTTTTTTTTAAATCAGTGGAGTAAGTTCTAAGGGAGCC
CCATGTGCTTAAGATAAAAACGTAGCTGGTAAAGTGGAGGCAGAGGCTGCTTCTGTGAGGCTGCATATATC
TTACAGGACAAAAAGTTTTGTACTTGAAAACCAAATTCTGGGAAATAGCCCTGCAGGTTTTTGGGAAGCGT
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ACAGGCCCGGAATTGGGAGCCTGAGCCCTGCATATTTTGGAAGGGAACCCCTCGAGGGACTAGTCTGGAAT
AGTAGGCCAAACGGTAGGAAGCTTTGATTACTCTGCTAACTTGGGGGCCCAAGAGTAGGGCTAAAGCATTG
TCTGCAGAGAAACAAACAGGGAAATTCAGTAAGAAGGGCCTATTTTAACTTGCAGTTAGCAGGAGAATTTG
TCCCCAGATTTTGATCTAGCTTAAAGTCCCTTGATTCCTTCCCCTCTACAAATGGCAATCACGGTTGCCCT

Table 6
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AGAGATGCTGACTGACAAGGTCTCCCAAAGGAGGGGCCCTTCTGCCATTTATGGGCCCCTAAGTGCACACG
TGGGCTTCCATGCGGATGGAATCATTGGTCCCCACCAGGGAACCTGGACTGTGGGAGCTGCCGCCACCATA
GGACCCAAGGGCTTCCAGACCAGGAAGAGGCAAACAGCCTGCCTGGGAACACAGTGCTGGAACTTGGGACT
TGGGTTCTGAGCGGGGCTGCTCCCTGGGCTGTTGTCATCACTCTTTCCTTTTTTTTTTTTTTTTTCTTTTG
AGATAGGGTCTCACTCTGTTTTCCAGGCTAGAGAGCAATAGTGCAATCACACCCCACTGCAGCCATCTGTC
TCCTGGGCTCAGGTGATCCTCCCACCTCAGACTCCCGAGTAGCTGGGACCACAGGAGGGCACCACCATACC
TGGTTTTAAAACTTTTTGTAGAGATGGGGTCTCACTATGTTGCCCAGGCTGGTTTCAACCCGGACGGCGNN
N

Table3 4823

ACGTAGTCTAGGCCATATGTGTTGGAGATTGAGACTAGTAGGGCTAGGCCCACCGCTGCTTCGCA
GGCGGCAAAGACTAGTATGGCAATAGGCACAATATTGGCTAAGAGGGAGTGGGTCCCGCGTACGCGGGGTA
GACTGAGGGATTTTAGCCTCTTCCCTCTGATTTTTCCTTTCGCGAATCCGTATCTGCAGAATGGGCCACTG
TAGGGGTGGGGTTTATTTTGTTTGTTTTTTTTTTTCTTGAGTTCACTTGGGATCCTTATTTGGTATGACTT
CTGCTGAAGGACAGAACATTGCCTTCCTCGTGCAGAGCTGGGGCTGCCAGCCTGAGCGGAGGCTCGGCCGT
GGGCCGGGAGGCAGTGCTGATCCGGCTGCTCCTCCAGCCCTTCAGACGAGATCCTGTTTCAGCTAAATGCA
GGGAAACTCAATGTTTTTTTAAGTTTGGTTTTCCCTTTAAAGCCTTTTTTTAGGCCACATTGACAGTGGTG
GGCGGGGAGAAGATAGGGAACACTCATCCCGTGGTCGTCTATCCCAGTGTGTGTTTAACATTCACAGCCCA
GAACCACAGATGTGTCTGGGAGAGCCTGGCAAGGCATTCCGTCATCACCATCGTGTTGGCAAAGGTTAAAA
CAAGAAACAAAAAACCACAAAAATAAAACAACGAAAAAAAACAAAAAAGCCAAGAAAACCAACACACCGAG
TCAGCCCTTGGTTCGGCTACAAACCCTCAAGAGGGGAAGCAACCTCCGGCAGCCGGGGGTCCCCGAGGGAG
CTGCTGGTGACCTGGGCCAAAAAGCTGGGTGGCCCCAGCAATGCAGAATGGTGTGCGTTAGACGGCTGGGG
GTCTGGTGTGTGGCCAGGTGACTACCCACGGTAGGTTGTGTCCACACCATGGACTTCAGGCCACGGGCGTG
GATGCCTAAGCTCAGCATGGACGGTACATGTTGCCAACGGGCAATATCCCCGGTGGGCGACCAGCCGAAAG
CTATAAGCAATGTAACAGGGAATGTTAAGCACAACTACTGGAGAACTCGGGAAGGGGAGCAAN

Table3 4824

NNNNNACACAGTCCAATGATGCTAAAAAGCAAGCACATATGTAAGTCTGCAAAATAACCAGCTGA
CAGCATGACGACAGGATAAATTCCACACATACCATTACTAACCTTAAATGTAAATGGGCTAAATGCTCCCA
TTGAAAGACACGGGGCAAGCTGGGTAAAGAACCAAGACCCACTGGAGTATGCCGTCTTCAAGCAACCCATC
TCACGTGCAGTGCCATACATAGGCTCAAAATAAAGGAATGGAGAAAAATATTTCAAGCAAATGGAAAACAG
AAAAAAGGTGTTGCACTCCCAGTTTCTGACAAAACAGACTCTACCAATAAAGATAAAAAAAGAGAAGGACA
TTACAAAGGTGGTCCTGACCTTTGATAAATCTCATTATTGCTTGATACCAACCTGGGCTATTTGTATTGCC
CAAACCAATAGGATAATTTGCTGAGGTTGTGGAGCTTCTCCCCTTCAGAGAGTCCCTGATCTCCCAAAATT
TGGTTGAGATGTAAGGTTGATTTTGCTGTACAACTCCTTTTCTGAAGTTTTACTCATTTCCAACAAGGAAG
GCAAGTTTTCCTGCTTCCATGACGATGGAGAGCAGGCACCTCCTTTCCTGAGTTTCAGCTTGCTTCTGACA
GGGAAGGTGAGTGTAAGTTTTTTCCAGCTTCTAAGATGGCAGAGAACGATCACCAGCCTGAGCCTTATTTC
CAGGTAAGTAGCTGAATTAGAGTTTTGTCTTAAAATTTTTCCTTAATGACTAAAATTTAAGATTACCCACC
AGCTGCTTTTAATTTCTCCTTACCATTAGAACACTCAGTAATCATATGAATTGTGCATTTGTTTGTTTTGC
TTAACTCTTTCTGTTTGTTTATGTTTGGGGTTTTATTGTTGTTGTTTCACTTTTCTCCCATCTCTTCCTGA
CTTGGTCAAATCCAAAGGAATGTTCCAAATTGTGGGGAGCAAGGCATCTGAAATGGCTAAAACTCCTGTGG
CTGCAAAAATAAACTCAACAAGTTTCCAACTAACCACCCGAATGCAACCAGACAAAAGCACGAAAGCAAAG
GAAAAAACCCAATAAATAGAGACGTGGCGAACAACCACGCACACAAAATCAAGCAGCACAAAAAAGGGTGG
GCCGCCGCGAAACTATACAACTGTTGGGCCCGAGAAGAAACGACAGCCTCACACCGGCAGTGGTTCCAAAG
CGGGGCTCAACGTGTTACTGACCCACCCGACACCAGCAACAAGCACGACGAGCTCGCACCACACCAGGAGAGC
AGAGACAGCGGCAAGGACAACACGCGAGCGGCCAAGGCGCCGACCAGCGAAGAAACAAACAACCCCAGAGA
GACACACAGAAGACGCAGAGACAAGAAGCAAAATCGCGACCCGCGCAGAGACGCGACACGCGCACGCACGG
ACGAAGACAGGGAACGGAACCGCAGAGCAAGCACGAACACGACACACAGCAAGCAGCCAACGGCGGCCGCA
ACAAGGGAGCCAGCAGCGGGAGAGAAAGGAGAGGGAGGACGCCGACCCCGAGCACGAACCGGAGAACCCCA
CCAGGCAAGACAGAGAGAAGCGAGCGAGACAGAAGGCAGAGAGGGTCGCGACGGAGCGCGGGAAGCGCGCA
GACCAGAGCGCGAGAGAGCTAGAAAGCCCGAGGACAGCGGGCAGACGGCCAGGCGAGCAGAAGCACAGACG
GACGCGCGAGAGAGGAGCAGCGAAAGACGGCCAAGAGGCGTAGCGAGCGGAGGCAGAAGGCGAAGCCAAAG
GAGCAGCAGCACCGAAGCGAAAGACAGAGACACGAAGACTGACGAGCAGACCAGAACGACGAAACGCAAGG
AGCACGAGAGAGGACGAGCAGCAGGCCGAGCCGAGCAGGGAGCGGAACGCAGGAGCAGAGAGGAAGGCAGG
AGCAGCAACCAGCACAAACGGACAGAGGGCGGAGAGGACGACCAGCACGACGGCACAGGGGGAGACGCGAG
GACGGCGCGAAGCGACAGCACGGGCGCACGTAAAGAACAGAAGCGGN

Table3 4825

NNNCCCCTTTTTTTCCCCGGGGGGGATTTACCCCCCCCAAAAGGGAAAAAAAAGGGGGGGCGGGG
CCCCCCCCCCGGGGGGGGGGGGGGAAAAAAGGGGAAAAAAAATTCCCCCCCCCCGGGGGGGCCCCTTTTTT
TAAAAGGGCGCCCCGGGGGGGGATACTTTTTTTTTTTTTTTTTTTTTTTTGGAGGTTGAATGCAGGGTTT
TATTGAGTGGTGGAGGTGGTTCTCTGAAGGATGGATGCAGAGCTGGAAGCGGGGATGGCACGGGAAGATAA
TCTTCCTGCTGGGTGGCCAAACCTCTCCGACCACCCTCGGCTGAACTCCTCTCGGCGTTCAAATGTTCCTC
TTCTCTCTTTCTCTGCTGTATCGTTTCACCATTCATCTGCTTGTCTGGGATGGTGAAGACAACTGTTTGCT
CATTTGCTTGGCGATAGGTGATTGTCTCGCCGCTCAGCTATAGGCGATGGTCTCACCACTCGGTGATAGGC
GATTGTCCCATCTAGGTCGCCAAAATGTGTCTGGAATTGGTGGGTTCTTCGTCTCACTGACTTCAAGAATG

Table 6
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AAGCCGCGGACACTCGCAGTGAGTGTTGCAGTTCTTAAAGGCGGCATGTCTAGAGTTTGTTCCTTCTGATG
TTCGGATGTGTTCACAAGATTCTTCCTTCTGGTGGGGTTCATGGTCTCGCTGGCNN
Table3 4827
ACAGTTGGAATCCATGGCAGTTTTATGGAGGCCAAATATATCAGATGAATAGGCTAATTTCCCTG
AGTTGCTGGCCTTATTAGTCCCTACTCTGTTGCCCCCTGGTTACCTAATGCATGTTCAAAAGGTATAGTTT
TCATCACCTGCTTGATCTTGATTTTCAGACAGCATCAAATCAGTTGCAAAACAAATCCAAGCTAAAATTTT
GAGTGTATGATTAATTTACTATAGCATGTAATTATGCAGTATTTTATTTTTTGTTTTTTATTTTTTTTGAG
ACAGGGTCTCGCTCCATTGCCCAGGCAGAGGTTGCAGTGAGCTGAGATCACACCACTGCACTCCAGCCTGG
GTGACAGAGCGAGACCCTGTTTCAAAAAAATAAGAAATAAAAAGTGAGTCTTCATATTCAAATTAG
Table3 4828
ACATGGTGGCAAGTGCTGGACTCGCTCCTGAATTCCCAAAGAAAACGCCTCCATAATGCAGCCTC
CAAACTGCACAAATTGAAAAGTGAAGGATTCATGAAAGTTCTTAAATGTGAAGTGGAATTGATGGCCAGGA
TGGCAAAAACCATTGACAGCTTCACTCAGAATCAGACAAGGCTGGTGGTCATCATCGATGGATTAGATGCC
TGTGAGCAGGACAAAGTCCTTCAGATGCTGGACACTGTCCGAGTTCTGTTTTCAAAAGGCCCGTTCATTGC
CATTTTTGCAAGTGATCCACATATTATCATAAAGGCAATTAACCAGAACCTCAATAGTGTGCTTCGGGATT
CAAATATAAATGGCCATGACTACATGCGCAACATAGTCCACTTGCCTGTGTTCCTTAATAGTCGTGGACTA
AGCAATGCAAGAAAATTTCTCGTAACTTCAGCAACAAATGGAGACGTTCCATGCTCAGATACTACAGGGAT
ACAGGAAGATGCTGACAGAAGAGTTTCACAGAACAGCCTTGGGGAGATGACAAAACTTGGTAGCAAGACAG
CCCTCAATAGACGGGACACTTACCGAAGAAGGCAGATGCAGAGGACCATCACTCGCCAGATGTCCTTTGAT
CTTACAAAACTGCTGGTTACCGAGGACTGGTTCAGTGACATCAGTCCCCAGACCATGAGAAGATTACTTAA
TATTGTTTCTGTGACAGGACGATTACTGAGAGCCAATCAGATTAGTTTCAACTGGGACAGGCTTGCTAGCT
GGATCAACCTTACTGAGCAGTGGCCATACCGGACTTCATGGCTCATATTATATTTGGAAGAGACTGAAGGT
ATTCCAGATCAAATGACATTAAAAACCATCTACGAAAGAATATCAAAGAATATTCCAACAACTAAGGATGT
TGAGCCACTTCTTGAAATTGATGGAGATATAAGAAATTTTGAAGTGTTTTTGTCTTCAAGGACCCCAGTTC
TTGTGGCTCGAGATGTAAAAGTCTTTTTGCCATGCACTGTAAACCTAGATCCCAAACTACGGGAAATTATT
GCAGATGTTCGTGCTGCCAGAGAGCAGATCAGTATTGGAGGACTGGCGTACCCCCCGCTCCCTCTACATGA
GGGTCCTCCTAGGGCGCCATCAGGGTACAGCCAGCCCCCATCCGTGTGCTCTTCCACGTCCTTCAATGGGC
CCTTCGCAGGTGGAGTGGTGTCACCACAGCCTCACAGCAGCTATTACAGCGGCATGACGGGCCCTCAGCAT
CCCTTCTACAACAGGCCATTCTTTGCCCCATACCTTTACACGCCAAGGTATTACCCTGGCGGCTCCCAACA
TCTCATCTCACGTCCATCAGTAAAAACGAGTTTGCCCAGAGATCAGAACAATGGCCTAGGGTCAGGCCCAG
CCCCAGGCCCAGTGGTATTACTGAATTCACTGAATGTGGATGCAGTATGTGAGAAGCTGAAACAAATAGAA
GGGCTGGACCAGAGTATGCTGCCTCAGTATTGTACCACGATCAAAAAGGCAAACATAAATGGCCGTGTGTT
AGCTCAGTGTAACATTGATGAGCTGAAGAAAGAGATGAATATGAATTTTGGAGACTGGCACCTTTTCAGAA
GCACAGTACTAGAAATGAGAAACGCAGAAAGCCACGTGGTCCCTGAAGACCCACGTTTCCTCAGTGAGAGC
AGCAGTGGCCCAGCCCCGCACGGTGAGCCTGCTCGCCGCGCTTCCCACAACGAGCTGCCTCACACCGAGCT
CTCCAGCCAGACGCCCTACACACTCAACTTCAGCTTCGAAGAGCTGAACACGCTTGGCCTGGATGAAGGTG
CCCCTCGTCACAGTAATCTAAGTTGGCAGTCACAAACTCGCAGAACCCCAAGTCTTTCGAGTCTCAATTCC
CAGGATTCCAGTATTGAAATTTCAAAGCTTACTGATAAGGTGCAGGCCGAGTATAGAGATGCCTATAGAGA
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ATAGCACATATTACATGGGTCAGAGTTCATCAGGGGGCTCTATTCATTCAAACCTAGAGCAAGAAAAGGGG
AAGGATAGTGAACCAAAGCCCGATGATGGGAGGAAGTCCTTTCTAATGAAGAGGGGAGATGTTATCGATTA
TTCATCATCAGGGGTTTCCACCAACGATGCTTCCCCCCTGGATCCTATCACTGAAGAAGATGAAAAATCAG
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AGATAACACTCCACTGCTCAAAGATGACAAAGACAGAAAAGCCGAAGGGAAAGTAGAGAGAGTGCCGAAGT
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AAGAAAAGCCCTTCCGAATGCAGCTTGATAGCCAGCAGCCCTGAAGAAAACTGGCCTGCATGCCAGAAAGC
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AAAATTTCGATGAGATGGAGGGAATTAGGGAGACTTCTCAAGTCATTTTGAGGCCTAGTTCCAGTCCCAAC
CCAACCACTATTCAGAATGAGAATCTAAAAAGCATGACACATAAGCGAAGCCAACGTTCAAGTTACACAAG
GCTCTCCAAAGATCCTCCGGAGCTCCATGCAGCAGCCTCTTCTGAGAGCACAGGCTTTGGAGAAGAAAGAG
AAAGCATTCTTTGAGAAAAACAAGCAAAGGAGAAGAGTGTTACTGTACCCTTATGACAGAATTGTCCTGGA
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GTAAAAGAGACATCTGCAGTGTGACAGAAGGGAGCATGAGAAGCATGGCTCACCAGCCAGCCTCTGTGGTC
TTTGTAATTAGAAGCTTCAGAACTCACTAATACTACTGTACCTTTCATTGGCGCATTACCCCATAAAACTT
TTTGAGACGAGGTGAGATCTGAGTATAAAGATAGGTCAGAAGTATTTTAAAGGGCTTAATGTGCCAAAAAG
AAAAAAAGCTAGAGACCCTTTTTGCAAACATTTGGTGACCACACATTTGAGGGAAGACGTGGCGTTAGGTG
AAGCAGAAGCAAACCCTGCTCTTAGGGGCTCACCTAGGTGAGTGCACAGCCTGTGACGCTACAGGGAGAGG
CTGAGTAAACCGAGATCCAGCGTTCTGTATGGCAGGGGTATTGCTTATCACAGAGGTTCTGAAGAGTAGGA
AGTACATAATGAAGAGGGCTTTAAAAATTGCCAACAAAGTGAGTCACCAGGGCTGGCAGTAGTGTGACGGG
GCTGTCCTGAGCTGTTAGGAGAGTAGATGCGGGGAGGGCTGGTGACCTCCGTGGGTTTATATGTCGGAAAC

Table 6
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TCTTCTCTCCAAATCCCAGGCCTGGCTTCCAGCACCATCCAGCTGTGCCCAAGAAGCCACCCTGGTCTGTT
CTCCAACTCTTTTAAATGGTGCCCAACTTTTCTAAGTGAGCTTAGCAATGAGAAGAAAAAAAAACATGAAT
TCTTTTTCTGGAAAATCAGGGAGACATGGGTAATAATAGGTACTAATAAATATTTATAGATGAGTGAATGA
GGAAATAATTACATCAAAAAGGTCAGTGACAATTGATAAATGACAAGGAAATATTTAATTAGGTAAAACTA
AATCATTGCTCTCTATACTAGGATAGcagtcatccacctcatgcgcctaagcaaggtagtccgggaggcac
aaaaggacatttcaaacacttggcactgtcacaaagcggtaaatatttctttcacaaaaggggcagaaaga
acaaatagagagagaggaaggacgggagaagaccggcggagaagacaaaacagaacggcagcgagactaga
aaacaggaaagataaa
Table3 4830
NNNNNNNCGCGGAGTCGGCGGGGCCTCGCGGGACGCGGGCAGTGCGGAGACCGCGGCGCTGAGGA
CGCGGGAGCCGGGAGCGCACGCGCGGGGTGGAGTTCAGCCTACTCTTTCTTAGATGTGAAAGGAAAGGAAG
ATCATTTCATGCCTTGTTGATAAAGGTTCAGACTTCTGCTGATTCATAACCATTTGGCTCTGAGCTATGAC
AAGAGAGGAAACAAAAAGTTAAACTTACAAGCCTGCCATAAGTGAGAAGCAAACTTCCTTGATAACATGCT
TTTGCGAAGTGCAGGAAAATTAAATGTGGGCACCAAGAAAGAGGATGGTGAGAGTACAGCCCCCACCCCCC
GTCCAAAGGTCTTGCGTTGTAAATGCCACCACCATTGTCCAGAAGACTCAGTCAACAATATTTGCAGCACA
GACGGATATTGTTTCACGATGATAGAAGAGGATGACTCTGGGTTGCCTGTGGTCACTTCTGGTTGCCTAGG
ACTAGAAGGCTCAGATTTTCAGTGTCGGGACACTCCCATTCCTCATCAAAGAAGATCAATTGAATGCTGCA
CAGAAAGGAACGAATGTAATAAAGACCTACACCCTACACTGCCTCCATTGAAAAACAGAGATTTTGTTGAT
GGACCTATACACCACAGGGCTTTACTTATATCTGTGACTGTCTGTAGTTTGCTCTTGGTCCTTATCATATT
ATTTTGTTACTTCCGGTATAAAAGACAAGAAACCAGACCTCGATACAGCATTGGGTTAGAACAGGATGAAA
CTTACATTCCTCCTGGAGAATCCCTGAGAGACTTAATTGAGCAGTCTCAGAGCTCAGGAAGTGGATCAGGC
CTCCCTCTGCTGGTCCAAAGGACTATAGCTAAGCAGATTCAGATGGTGAAACAGATTGGAAAAGGTCGCTA
TGGGGAAGTTTGGATGGGAAAGTGGCGTGGCGAAAAGGTAGCTGTGAAAGTGTTCTTCACCACAGAGGAAG
CCAGCTGGTTCAGAGAGACAGAAATATATCAGACAGTGTTGATGAGGCATGAAAACATTTTGGGTTTCATT
GCTGCAGATATCAAAGGGACAGGGTCCTGGACCCAGTTGTACCTAATCACAGACTATCATGAAAATGGTTC
CCTTTATGATTATCTGAAGTCCACCACCCTAGACGCTAAATCAATGCTGAAGTTAGCCTACTCTTCTGTCA
GTGGCTTATGTCATTTACACACAGAAATCTTTAGTACTCAAGGCAAACCAGCAATTGCCCATCGAGATCTG
AAAAGTAAAAACATTCTGGTGAAGAAAAATGGAACTTGCTGTATTGCTGACCTGGGCCTGGCTGTTAAATT
TATTAGTGATACAAATGAAGTTGACATACCACCTAACACTCGAGTTGGCACCAAACGCTATATGCCTCCAG
AAGTGTTGGACGAGAGCTTGAACAGAAATCACTTCCAGTCTTACATCATGGCTGACATGTATAGTTTTGGC
CTCATCCTTTGGGAGGTTGCTAGGAGATGTGTATCAGGAGGTATAGTGGAAGAATACCAGCTTCCTTATCA
TGACCTAGTGCCCAGTGACCCCTCTTATGAGGACATGAGGGAGATTGTGTGCATCAAGAAGTTACGCCCCT
CATTCCCAAACCGGTGGAGCAGTGATGAGTGTCTAAGGCAGATGGGAAAACTCATGACAGAATGCTGGGCT
CACAATCCTGCATCAAGGCTGACAGCCCTGCGGGTTAAGAAAACACTTGCCAAAATGTCAGAGTCCCAGGA
CATTAAACTCTGATAGGAGAGGAAAAGTAAGCATCTCTGCAGAAAGCCAACAGGTACTCTTCTGTTTGTGG
GCAGAGCAAAAGACATCAAATAAGCATCCACAGTACAAGCCTTGAACATCGTCCTGCTTCCCAGTGGGTTC
AGACCTCACCTCTCAGGGAGCGACCTGGGCAAAGACAGAGAAGCTCCCAGAAGGAGAGATTGATCCGTGTC
TGTTTGTAGGACGGAGAAACCGCTTGGGTAACTTGTTCAAGATATGATGCATGTTGCTTTCTAAGAAAGCC
CTGTATTTTGTGATTGCCTTTTTTTTTTTTTTAAGATGCTTTCATTTTGCCAAAATAAAACAGATAATGTG
GATGGTTTAAGGGTTATAGTATTATAGTTTAAATAATAACAACAAAATTCTTCCCAGGAACTCTGCTGGAA
GGTAAATTAAAATACTTGTTTTTCCATTGGTAAAATATTGTTGCACTCTGTGAACCAAAAGACAGTCTAAG
TTGGAGGACATAGAACGGAACTCATCTTAAACATACTCCCCACCCCGTCTTGGCCTCCTCAGACCACTTTG
GCCATCCCTGCATTTGGGGCCGCTATGGTAATGTGAATGCACTGGGTACCTCGGCCGCCACCGCGGGGAGC
TCCAATTCGCCCTATA
Table3 4831
aaccaggaatcaagtcaggctggttttgttccctgtttctgaaggcagttgaattcagttgtACC
CCTAGCAACTACTAATGGTTCAGCCACCCGTGGAGTCCAGTTGGGGCTGAGTTATGCTCCACTAACCCATA
GCAGACCAGCAACATTCTATCTTTGAGCTGCTTAAGAAACACACAAAGGATACCAGCCAGTGGTCCAAGAG
CAGACCAGAATCCCCACGCAGCTACACAGTAACAAGTCCCAGCAACTCCTGAAGATAGATGCGGAAAGGGT
GACTTTACCATGGGGTTCGAGTCTGAGCCAAGAGAGTTATAAAGGGGTCCCTAACTCATTCCTTTTTCAAA
ATAAATAAAAAAAAGGACTGTCTTTCAAACAAAAACCCTGCGATTTTAATGAGAATTAAAGGAGGATGTAAA
TTAAAAGGCCTGTTTGTCTGTACAGCAATGCAGATGCGCAGGCCCATCCTGGTGGAGGACCCAGATGCAGG
GAGCAAATATTCGGGTTGTGTTGCTAAGAGTCGCAGGAACTACTGCTAGTGATACTAGGCTTGCTGCAGGA
GGATGTCACGCTGAGAAAGGGAGATGACTAGGAGCAGAAAAAGTACTCTCACTGTTCCAGCTTCCAGCCCA
ATCCTAGCAGAATGAATGCATTTTAAAATCAGTCCACATTCACATGTGCTGAGAAGGTTGTTAGTGGTCCC
TCATCTGGGCAAAGCAGACCCAAGATGGTGCTGAGTGCAGAGTGCAGAGCATTCTTGTGCTCTCCTCTCAT
GGCTGGAACTATCTGGGCTTTGCGCCCTGGTCCAGTGCTACGTATCAACCCCCTCAACATGCCTGTGGCTC
TGACACGGGGGGATGAATTAACTTGCCTCTGTTCAAATATACAGACTTGGTGAGGCTGTCTTTTGTTAGTA
CTGATGCACAGGGACAGAAAAAGCCTGCAACTTTCAGTTGGGAGAATCCTATAAAAGCTGTGAGCAGCAAT
AATTTGCAGTATTGATCATAGGAAGGGAAAAAACATTCTCTTTCCTATTAGAGCCCCATAACAGAGGTGAC
ATCTGTCCCAAGGCCATTCCATGGAAAATGGTGGCTGCTGGCAATTAGTGAGGCTAGTCCAGAAGCAAGCC
TCCTTCTGATATTGGTCACTGAAAACAGCTCACTATAAACGGGGGTGTTTTGTGGCATTCAACTCTGTTGTG
CTACAAATAGAGAATGCAAAAAGACGGTGAAAGTAGGAGTGCATAAATAGTTTTTTTCATGGGTGCCAGAC
AGGCTAAGGCTTTCATATAAAAATATTCCTCACTTTCCTCGTCCTGTTTAGGAAGCAGTCCAGTTGGCATA

Table 6
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CCACGAATAGGTCACACATAGGAAATGGCCTATTTTGACCAACTGGATTTGTAATTTTCCAAACCGGATTC
TGTCCAGCACTTTTCTACACTAATGGAAATTTTCCTCCTCATGCCCAGCCATCTGAACCAAGGACAGGTTC
CTTCTCCTAAGAGGACAGAGGTTGGATTCCAGAAAAAAATCCTGGAGTCATGCCAAGAGCAGAGTAGCAAA
GCTCCCTCCATCCATTCTCCATGTCACGCAGACTGTATTCCTAATGAAAAACTTCCCCCACTCACACCTGT
GGGATGGAGTGGAGCAAAGCAGTTGACGAGGAATTGAGGCAGGCGCTCCTAAGATGGAGGGAGGCGGAGAG
CAGGGCTGTGGAAAAGAATTTTCCATCTGACCTGCTACTTTCCATAGCTAATTTATACAATATTCACAaat
CTTAATGgactttGAGTcatttctaGAAAAGTTGgacagaaagagccaaagagcagcatgcgtttctctcc
tataaagacactttcacttccagtttcggaagtccaaatactgaggcacacaccaacggtggacagccctg
caggagcttcctgaaactatctacaattccaagtggatcaccagcttcagaattacacagggatcttattt
gggataaagtgttaaaaagtgaatgacaggctttttttttttttttttttctgaagtcccttctgtc
gtcttctcgcagccgtagtcgacgcggccgcgaa
Table3 4832
NNNCGACTCCCATTGTTCCCCACGCGTGCGGTTCTAGATCGCGGGCGGCCGCTCGCGCTTTAAGC
CAGGCGTGAGCCACCGCACCCAGCGATTTAGGGTTTTTTTCTAATAGACTATGTTCAACAAATAAGTAATT
CTCGAATAGTTCAGATTAAAACATACAGGAACCAAGTACATACCCAGCATAGAAGAACTTTACTAAAGGCT
TCTTGGAAAGCCCTTTTTTGAAACGACAGTATCGTAAGTAACATATCATTTATAATAGAAATCTTGACCCA
GTGCAGAAAAATAAATATAGTAAAATTTATTTATCTTTGGCCAGTTTTCCAACACCCAGGTATTAGCCTTG
AAGTTGAAGAGATAAGGTTTCTTGTATATTATTTTTCATTTGTGTTCTACAATTAAAGGTTCTGCTTTGAT
TTGTCAGATAATTTATAGAAATTTTGTTCTCAAAACAAATGTTTGATAAAACAGATTATTAAATTTGGGGT
TGAGATGTCTAAATTGAATGCTAGAAGTAAAGTAGAAGTGACCACTATTAAAGATGTATAGGGAGAAGAGT
ACAGCACAAAGTGATAAAATAGTGACACTTTTGTAGGGGTGTTTATTGTTTGGTTAAGTCTGCTAAATTAC
GGTATGCATTATCTGGTGACTATTTGTGCCTGAAAATTCGTTTTGTATTAAAATTCTGGAGAAGGAATTCA
GGACTAGAATAAAGAGAAATTTTGTAACCTTTTTTATCATGACAGTTTTAGAATAATTTTTTTAGCTGAGA
TTAAATGTTCAAGGCTCCAATATTATTTTTAGGAACTTATTTAAGGAGTGCTACTTTACAGAAATTACTAA
CACACCAAAACATTATTAATTAAATAAAATATAAGTTTACAATAATAAAACATGTTTCTTTTAATTTTTCT
GATTATATTTTATGAGTTCAGAAAGGAAATGGTAAAAGAACTATACATTTTCATGTTTTAACATTTTATGT
ACGTACTTGATTCTGTCTGTGTCATAATTACACATTTACTTGAACACAGCTATCCTTTATCTTGTGCTTTC
TTTAATAGAAAAATGAACAGAAACTGAATGCAGTTAAATTTTTATTTTTAGTAGGTTGTGAAGTTACTTTT
ACTGGAGAAATAAAAATATGTTAAACTTGATTGACTTTTTAAGATAAATTGTTAACACTTTTGCAGGATTA
GAATTAATATGAAGTATCTCTTTAACATTATTGTATATATTACCTACTGCAAACCTATCTGTTCTGTTTCT
TTGTGATTTAAAGAAAAATAGGCCGGGCATTGTGGCTCACGCCTATAATCCCAGCACTTTGGGAGGCCGAG
GCGGGCGGATCACAAGGTCAGGAGTTTTAGACCAGCCTGACCAATATGATGA
Table3 4834
CGTCCGGCAAACCTGTCTAATTGGGGCGGCCAGCGGACTTCCTCCTCTGAGGGCCGTGCCGCGCT
GCCAGATTTGTTCTTCCGCCCCTGCCTCCGCGGCTCGGAGGCGAGCGGAAGGTGCCCCGGGGCCGAGGCCC
GTGACGGGGCGGGCGGGAGCCCCGGCAGTCCGGGGTCGCCGGCGAGGGCCATGTCGCTGTTGGGGGACCCG
CTACAGGCCCTGCCGCCCTCGGCCGCCCCCACGGGGCCGCTGCTCGCCCCTCCGGCCGGCGCGACCCTCAA
CCGCCTGCGGGAGCCGCTGCTGCGGAGGCTCAGCGAGCTCCTGGATCAGGCGCCCGAGGGCCGGGGCTGGA
GGAGACTGGCGGAGCTGGCGGGGAGTCGCGGGCGCCTCCGCCTCAGTTGCCTAGACCTGGAGCAGTGTTCT
CTTAAGGTACTGGAGCCTGAAGGAAGCCCCAGCCTGTGTCTGCTGAAGTTAATGGGTGAAAAAGGTTGCAC
AGTCACAGAATTGAGTGATTTCCTGCAGGCTATGGAACACACTGAAGTTCTTCAGCTTCTCAGCCCCCCAG
GAATAAAGATTACTGTAAACCCAGAGTCAAAGGCAGTCTTGGCTGGACAGTTTGTGAAACTGTGTTGCCGG
GCAACTGGACATCCTTTTGTTCAATATCAGTGGTTCAAAATGAATAAAGAGATTCCAAATGGAAATACATC
AGAGCTTATTTTTAATGCAGTGCATGTAAAAGATGCAGGCTTTTATGTCTGTCGAGTTAATAACAATTTCA
CCTTTGAATTCAGCCAGTGGTCACAGCTGGATGTTTGCGACATCCCAGAGAGCTTCCAGAGAAGTGTTGAT
GGCGTCTCTGAATCCAAGTTGCAAATCTGTGTTGAACCAACTTCCCAAAAGCTGATGCCAGGCAGCACATT
GGTTTTACAGTGTGTTGCTGTTGGAAGCCCTATTCCTCACTACCAGTGGTTCAAAAATGAATTACCATTAA
CACATGAGACCAAAAAGCTATACATGGTGCCTTATGTGGATTTGGAACACCAAGGAACCTACTGGTGTCAT
GTATATAATGATCGAGACAGTCAAGATAGCAAGAAGGTAGAAATCATCATAGGAAGAACAGATGAGGCAGT
GGAGTGCACTGAAGATGAATTAAATAATCTTGGTCATCCTGATAATAAAGAGCAAACAACTGACCAGCCTT
TGGCGAAGGACAAGGTTGCCCTTTTGATAGGAAATATGAATTACCGGGAGCACCCCAAGCTCAAAGCTCCT
TTGGTGGATGTGTACGAATTGACTAACTTACTGAGACAGCTGGACTTCAAAGTGGTTTCACTGTTGGATCT
TACTGAATATGAGATGCGTAATGCTGTGGATGAGTTTTTACTCCTTTTAGACAAGGGAGTATATGGGTTAT
TATATTATGCAGGACATGGTTATGAAAATTTTGGGAACAGCTTCATGGTCCCCGTTGATGCTCCAAATCCA
TATAGGTCTGAAAATTGTCTGTGTGTACAAAATATACTGAAATTGATGCAAGAAAAAGAAACTGGACTTAA
TGTGTTCTTATTGGATATGTGTAGGAAAAGAAATGACTACGATGATACCATTCCAATCTTGGATGCACTAA
AAGTCACCGCCAATATTGTGTTTGGATATGCCACGTGTCAAGGAGCAGAAGCTTTTGAAATCCAGCATTCT
GGATTGGCAAATGGAATCTTTATGAAATTTTTAAAAGACAGATTATTAGAAGATAAGAAAATCACTGTGTT
ACTGGATGAAGTTGCAGAAGATATGGGTAAGTGTCACCTTACCAAAGGCAAACAGGCTCTAGAGATTCGAA
GTAGTTTATCTGAGAAGAGAGCACTTACTGATCCAATACAGGGAACAGAATATTCTGCTGAATCTCTTGTG
CGGAATCTACAGTGGGCCAAGGCTCATGAACTTCCAGAAAGTATGTGTCTTAAGTTTGACTGTGGTGTTCA
GATTCAATTAGGATTTGCAGCTGAGTTTTCCAATGTCATGATCATCTATACAAGTATAGTTTACAAACCAC
CGGAGATAATAATGTGTGATGCCTACGTTACTGATTTTCCACTTGATCTAGATATTGATCCAAAAGATGCA
AATAAAGGCACACCTGAAGAAACTGGCAGCTACTTGGTATCAAAGGATCTTCCCAAGCATTGCCTCTATAC

Table 6
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CAGACTCAGTTCACTGCAAAAATTAAAGGAACATCTAGTCTTCACAGTATGTTTATCATATCAGTACTCAG
GATTGGAAGATACTGTAGAGGACAAGCAGGAAGTGAATGTTGGGAAACCTCTCATTGCTAAATTAGACATG
CATCGAGGTTTGGGAAGGAAGACTTGCTTTCAAACTTGTCTTATGTCTAATGGTCCTTACCAGAGTTCTGC
AGCCACCTCAGGAGGAGCAGGGCATTATCACTCATTGCAAGACCCATTCCATGGTGTTTACCATTCACATC
CTGGTAATCCAAGTAATGTTACACCAGCAGATAGCTGTCATTGCAGCCGGACTCCAGATGCATTTATTTCA
AGTTTCGCTCACCATGCTTCATGTCATTTTAGTAGAAGTAATGTGCCAGTAGAGACAACTGATGAAATACC
ATTTAGTTTCTCTGACAGGCTCAGAATTTCTGAAAAATGACCTCCTTGTTTTTGAAAGTTAGCATAATTTT
AGATGCCTGTGAAATAGTACTGCACTTACATAAAGTGAGACATTGTGAAAAGGCAAATTTGTATATGTAGA
GAAAGAATAGTAGTAACTGTTTCATAGCAAACTTCAGGACTTTGAGATGTTGAAATTACATTATTTAATTA
CAGACTTCCTCTTTCTAAAAAAAAAAAAAAAAAAAGAATAGTTCTATACAAATGAAGTATGGAGGTGTGTA
TGTTTATATGTATATAACAAAATATTTTCATTGTGACCACTCTGAAGTAAGAGCAATGGGAATGGCATTAT
TGTAGAATAAGTCATTGTATTTTTAACACCAGAAAGAACCTTGCCGATCACCAGGCATAACCTAATTTTAT
CCATGGAAGAAACACAGAAAGGCATCTAAGTTAGAGCTGGCACCAGAACTGAGACCTCCAGAAATCTATTC
CAGTATTTTTTCCACTACACAACTTGCCTTCCTGACAGGTTCTGAGATAAGTGTTATGGTTGTAGATAGAG
TG
Table3 4838
NNNNNNNNNNNNCGGAAGTCTTCTAGAATTAATTAACGCGGGGGCTGATGCCATTTTCAGCCTCA
GCACGCCTGCACCCAGGCGCTCATTAAAACAGCATGTTGCTCCCCACTGCCTCGTGTTGTCTGTTGGCGCG
CTGTCGGGGTTCGAACCGATACAAGAACCTTCCACCTACCTGGTGCTTTGGCCTCATCTATAAGCTTTTCC
ACTGTCCTGAAACAAGATAGAGAATCTGAGCGGCCAGTCATCTGCCCTAAGTGCTGCCGCCGAAGACTGAA
TGTCCTGGAAAGTTTGCTGTCACATCTCCATTATGACAAAAGCATTGTGCCGAACAGATGAAAAAATGCAT
TGTCAACGGAATCTTTTATGTTTGTTTGTCTTCCTTTAAGCAACATTGCCTTACTTGTTATAAAAGATAAA
TAAATATTTGTTCATTTCAAAAAAAAAAAACACCCAGCATAACACACAACAAAAACGTTTGTTGGCCGCGC
ACGAGCGACCCCGAAAAAAAGGCTTTCTACAACCCAACTCGTTGGGGGGCCCAGCGGCACCCAAAGATGAA
TATGGCGACACGTGCCCACACAGCGGGTCCCAAGAGAACCCGTGCCGAGCCACTGGGCGCTGGTTTCCCCC
CAAATAAAACGCCCGGGGGACCACGGGCCGTTCTGGACACACTCAGAGGGGCTCCGAGCGCCAAACGGGCT
ATCAACACGGGGCCAGGAGCTGAAAACCGCCCCGCGNNNNN
Table3 4839
AAATACTAAATGTTTCCTTTTTTCATTACTCATATATTTTTTTCTTGCCTTACTACACTGCCTAG
TAAAATATATAAAATATGTGCTTCACGGAAAGGGGACTTTGATTAAGGACATGCCTCCTTCAGAGCTTTTT
CTTTTCCCCCTAGTATTTCCAACTTGGGGATGTTTGGCATCGACGAATTTACTGCAGTGATTAACCCTCCT
CAGGCCTGCATTTTGGCGGTTGGGAGGTTCCGACCTGTGCTGAAGCTCACTGAGGATGAAGAGGGAAATGC
CAAACTGCAGCAGCGCCAGCTCATAACAGTCACAATGTCAAGTGACAGTCGAGTGGTTGATGACGAACTGG
CAACCAGGTTTCTTAAAAGTTTTAAAGCAAACCTAGAGAATCCTATCCGACTTGCCTAGTCCTCAAAGATA
AGAAGTTGGTGTTCAGCTTAGTTGATTCAGTAGTTGTTACCAAGAAACATATGTTATAGGAAAACAACTTG
GTATTTAAGTATGAAGTGGATGAAATGTTTATTTATTTAAGGTGAAAGCATTTGACCCAGGGTGTCTTCAT
CTTCAATTTGGGTTTAATGTTATAGAAATAAATGATGATAAACTCTAACTAATAAAGGAAAGAGAATATTT
GGTTACTCAGATCCCANNNNNN
Table3 4840
NACCAAGTATAAATATAAATTACAACCCTCCCTCCTTACTATCAACGCGCCAACCCCTTTTTTTTT
TTTCCTTTTTTTTTTTTTTCCTTTTTTTTTTTTGGCCCCCCCCTTTTCTTCCAATGTTCCAGGGTATCCCATC
CCGCCTGACTCCTGTTACCGCCGATTTTCTTGTTCCCCCACTGTTTGGCCTGACTTAAACCATATTCTACC
GGCATATTGCACAGGATGGATGGCAAAAAAAAGTTTAAAAACAAAAACCCTTAACGGAACTGCCTTAAAAA
GGCAGACGTCCTAGTGCCTGTCATGTTATATTAAACATACATACACACAATCTTTTTGCTTATTATAATAC
AGACTTAAATGTACAAAGATGTTTTCCACTTTTTTCAATTTTTAAACACAACAGCTATAAACCTGAACACA
TATGCTATCATCATGCCATAAGACTAAAACAATTATATTTAGCGACAAGTAGAAAGGATTAAATAGTCAAA
TACAAGAATGAAAAACGCAGTACATAGTGTCGCGAACTCAAATCGGCATTTAGATAGATCCAGTGGTTTAA
ACGGCACGTTTTTGCTTATAAAAAAAGTGCAAAAAAGATGTGGTTTACAAGTTAAAGCTACAGAATCCCTT
TTTGCTGTAATTGCACCAGTTTTAAAGCCTCTGGACAGAGCAGTATTTCGTTTAAAACTTTGTTTTTCTTA
AAAGCTTACAGTGTTTGGCTAATTCTCCTCCCCTTTTTACAAGACGGGGGCCGGAGGGTGGACACTGGTGG
CAGGTTAAGGGATACTGTCACTTTAAGAAGCCTGCAGATTGAAGTGTAAACATGGAGAAATTAGGGGCTGA
TTTTTTAAACTGTGTGAGATATTAACCAGCCGCCCTGTTATAAAATCAGGAAATCCAAACAGCGATTTACA
CCGATTAACACCCCCTTTATATATTTTTTACAAAAATACACTGAGAAAATAATCAAACGTTTTCATCTCTC
TTGTCTTTTTTTGTTTTTTAAAAGTGTCAAAAGTCTACATTTAAATATAAAAAATTAAAAGTTAAAACTCT
AGCCCTTCAGTGAAGGAGACGTAAAATGGCGTGGGTAACAACAACTACCAAAAAAAAAAAAAAAAAAAGA
AAAAAAGGAAAAGGAAGGAATAAAGAAATAAAGGAAGTAAAAAGAAAGGAAAGAAAAAAAGGGACAAAAGA
AAAAATATGTTTGGCCAGTATAAATACGTCCACATATAAAATGGCATCTGATTACATTTACAAGGAAAAAG
AAATACGAGGATGGAGCATCGGTGAAGGAAAAAAACACGTCTTCTCATTTACACCTATAAGGAATAAACAC
ACACACTGAGAAAAAATTTGGTCCTGAATTGTTTTTTTTTAAAATCCAGCACAGATTTGAGTTGCGTTTGA
ATCCTTTAAAGAGTTAAGAATGAAAN
Table3 4841
gGTCCGGAATTCCCGGGTCGAGCCCCCCCCCCCCCCCCGGAGGGGCGGTTGGCTTTGTTGGGTGG
GCTTGTTTGTGTCCCTGTGGGTGGACGTGGTTGGTGATTGGCAGGATCCTGGTATCCGCTAACAGGTCAAA
ATGCAGATCTTCGTGAAAACCCTTACCGGCAAGACCATCACCCTTGAGGTGGAGCCCAGTGACACCATCGA

Table 6
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AAATGTGAAGGCCAAGATCCAGGATAAGGAAGGCATTCCCCCCGACCAGCAGAGGCTCATCTTTGCAGGCA
AGCAGCTGGAAGATGGCCGTACTCTTTCTGACTACAACATCCAGAAGGAGTCGGCCCTGCACCTGGTCCTG
CGTCTGAGAGGTGGTATGCAGATCTTCGTGAAGACCCTGACCGGCAAGACCATCACCCTGGAAGTGGAGCC
CAGTGACACCATCGAAAATGTGAAGGCCAAGATCCAGGATAAAGAAGGCATCCCTCCCGACCAGCAGAGGC
TCATCTTTGCAGGCAAGCAGCTGGAAGATGGCCGCACTCTTTCTGACTACAACATCCAGAAGGAGTCGACC
CTGCACCTGGTCCTGCGTCTGAGAGGTGGTATGCAGATCTTCGTGAAGACCCTGACCGGCAAGACCATCAC
TCTGGAGGTGGAGCCCAGTGACACCATCGAAAATGTGAAGGCCAAGATCCAAGATAAAGAAGGCATCCCCC
CCGACCAGCAGAGGCTCATCTTTGCAGGCAAGCAGCTGGAAGATGGCCGCACTCTTTCTGACTACAACATC
CAGAAAGAGTCGACCCTGCACCTGGTCCTGCGCCTGAGGGGTGGCTGTTAATTCTTCAGTCATGGCATTCG
CAGTGCCCAGTGATGGCATTACTCTGCACTATAGCCATTTGCCCCAACTTAAGTTTAGAAATTACAAGTTT
CAGTAATAGCTGAACCTGTTCAAAATGTTAATAAAGGTTTCGTTGCATGGTAGCATAAAAAAAAAAAAAAA
Agaacgaaaagaaaaaaaattgggggggggctgggcgctcgggaaagagggttttaaaacacacattggt
gttgggggggggggcccaaagagggacaggtcacgacacgggccaccaaacacggtgacccaaagggagaa
ccgggggcagagaccaaaaggaccgggaacttctcacgaaggaaaaaaaccccccgggggggcacaccgccg
acgggttcgaacacacatcgcagaggcggggaccggacgggaaccagagggagacaaacacacgaggagtc
agggacgcgcggaataaatgccgaccc

Table3 4844

NNCGTCCGCGCAGAACTCAGCANATGTTCCATGGGAAATCCAGTTTGAGATTCCTTCAGTTTCTA
ATTTTTCACTCCTGTCCTGTGAACCCCTAAAAGCTTTGTTAGTTTTTCCCTTCTTCTGCCGAGGTCCTCTG
CTTCTGCCAAGCATGAATTTTTTTAAATAGATAAGCCTTCTTTAATTGTTACAAGAAGTGAACTGGTCTGC
CTCCACTCTTCTTCCATTACTCTCAAAATGCAATTCGAATATGACTCTTCTGGTCCCTTCCTATTTCCTCA
GCACTCATTAATTTTCTTTCTATGTCTTTATCTCATACTTAAGCCTGAATTGTTGAATGAATCACCCTCTT
TCTCCTCAGCATTTACAAATACCTGAAACACGTGTCTATATCCTCCCCATCATCTCTGTAACTCATACTTG
TCTTTTCAGTCTCAGAGTAGAAATGAAGTGTTCCCTGACGCCTCTTTCCCCATGCCCACCCAAACATGAGC
AAGACCTCTTCTGTCAGTTCCCACAAAATTCTTAATGTACCCGATTTCAGCACTTAGCCCACTGCATTATA
ATGGCTCATCTACTAGCTTATCTGAGTCTCCCACTGGGCTCTGCAAAAAGCTTCTGCCTACCTCTTTCCAT
GCTATAGTCCTGTCAGAGAACACAATGCTCAGTAAATAACGTTCTGTTGAGATGGATCCCTAAAGTGTTAA
ATATTTAAAGTCTTTATTAATTTGAAGGACCTCTGAAGAGAAAACGAACTGTAAAAATCAAGATAATCTTA
ATTTTTAAAAACAGACTTATAAGCTAAAGGAGACCCAAATATGAAATACTTTTATAAAACAAACAACAATA
TCTATACATGATAAACAGGGACATGAAAAGATGGTTGCAGGAGCATTAGTGGTGATTATTATAGGATGGGA
AGCTAGGATGGGTTCACAGAAAAAAAAAATCCCCAGTTTACTCTGTATGTCAGGGTAAATTCCAAGTGGAT
CAAACAATTACATATGAAATATGAAACCATTCAAGCCTAGAATAAGCTAGGAATCGGGGGAAAATTTTCTG
ATTCAACATCCAGAAGCAATGATGAAAACCTTGATGATTTGATTATGTTAAAAAATTTTCTGCATGGAAAA
AAACCTTGANNNNNN

Table3 4845

NNNATCCGGACTCTGGGTGTTTGCTACCGTGACCGTTTAGACGGACTCTGGGTGTTTTGCTACCG
TGACCGTTTAGAAACTGTTCATACTTGGTGCGCTGTGGACTCTTGTGATAATTAACCAAGAGTAGCTCTAT
TTGTCCAACCTCACACCTAAAGAAGAAAGAAAATGGCTTGTGCTGAGTTTTCTTTTCATGTACCAAGTCTT
GAAGAGCTTGCTGGAGTTATGCAGAAGGGGTTAAAAGATAACTTTGCTGATGTCCAGGTCTCTGTAGTTGA
TTGCCCTGATTTGACTAAGGAACCCTTTACCTTTCCTGTAAAAGGCATCTGTGGGAAAACTAGAATTGCAG
AAGTTGGAGGTGTGCCTTACTTATTGCCTCTTGTAAACCAAAAAAAAGTTTATGATCTGAATAAAATTGCA
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TTCTGAGTTTATGCCAGTTATTCAGACAGAAAGTGAACACAAGCCTCCTGTAAATGGAAGTTACTTTGCCC
ATGTGAACCCTGCAGATGGAGGGTGCCTACTGGAGAAATACAGTGAGAAATGTCATGATTTTCAGTGTGCA
TTACTGGCTAATCTTTTTGCCAGTGAAGGCCAACCTGGCAAGGTAATTGAGGTGAAAGCCAAAAGAAGAAC
TGGACCACTTAACTTTGTGACTTGTATGAGAGAGACCCTGGAAAAACATTATGGAAATAAGCCTATAGGAA
TGGGAGGTACTTTCATAATTCAGAAGGGAAAAGTGAAGTCTCACATTATGCCTGCAGAATTTTCTTCCTGC
CCCTTGAACTCTGATGAAGAAGTGAATAAATGGTTGCATTTTTATGAAATGAAAGCTCCTTTGGTTTGTCT
ACCAGTTTTTGTCTCCAGAGACCCAGGGTTTGATTTGCGACTGGAGCACACTCATTTTTTTAGTCGTCATG
GAGAAGGTGGACACTACCATTATGACACTACTCCAGATATAGTGGAATATCTTGGATACTTCTTACCTGCA
GAGTTTCTCTATCGCATTGATCAACCAAAAGAGACGCATTCAATTGGGCGAGATTAAATCAGCTGATACTT
ATTTAGAAAAAGAATAATTAAGGTTAATTAATTGATTGACTTATTAATTAATACTGATATAAAACCAATAG
AAATGATCCCACAGGCCAGGCACAATGGCTCATGCCTATAATCCCAGCACTTTGGGAGGCTGAGGCAGGAA
GCACACTGGAGCCCAGGAGTTTGAGACCAGCTTGGGCAACATAGCAAGACCCTGTCTATTTTTTTAAAAAA
GTAAAAATAGAAATTATCTCACTACTTAAATTCCANNNNNNNNNNNNNNNNNNNNNNNNNNNN

Table3 4846

ACGCGGGATCACGACGCAGGTCTCGTGCCAATCAAAACGTCAACGCTGTTCACAGCCATTATACA
CGTGCCCAAGCAAATAGTCCCAGACCAGCAATGAACTCCCAAGCTGCTGTACACGGGGAAAGATGTCACTG
TCTTGCAGAACACTGATGGAAATAACAATGAGGCATGGGCTAAGGATTTGAAGCTGGCAGACTTTGCGCTG
CTGTGCCAGTCGATGGCAATCGGAAGCCTAGTGACTGAGGCTGGTTGCTGCCATCTCAGGCCATGAGCCCC
GAATCACGCCGTGGCTGGCTCGGAGGGCTAGACGCTGGCTCGCCTTGAACACCGGTAGCCGCTCCACCAGC
AGGCGTGATTGGGAATATGAGTGTGGCAAGCACTGACTCAGTGATGGGAGAAGGGCAGAGAAAACTCTTAG
TATTCTCTTTGATTTATTGGATTAAATAACTGGTTTAATGGAAGAAATCAGTTTCTGAATCTCTTGCTCTG
TTGTGTCCCACAGCCCTCCTGGAAGCCTGTGAATTCCTCAGGAAGTAAAACCGAAGAAGATGGCCCAGCTC

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CCCAAGAAAGCCTCAGCCATTCACTGCCCCCAGCTCTTCTCCCCAGGTGTGCTGGCGCCTTGGCCTCCCCT
GCTGAAGGTGGGGATTGCCCATCCATCTGCTTACAATTCCCCGCTGCCGTCTTAGCAAGAAGTAAAATGAG
AAATTTTGTTGATATTCTCTCCTTAACAAAGAGCGAATCAAAGGCAACGGAATATGAACAAAAAAAAACTC
TAANNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Table3 4854
ACGCGGGGGTCTGCCGCGGTGGCCGGGTGCCGATTTGACAAGATCAAAGCTGCAGGAAAATGGAC
AGTGAGGTTCAGAGAGATGGAAGGATCTTGGATTTGATTGATGATGCTTGGCGAGAAGACAAGCTGCCTTA
TGAGGATGTCGCAATACCACTGAATGAGCTTCCTGAACCTGAACAAGACAATGGTGGCACCACGGAATCTG
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GCGGTGATGCGTGCTTTTCGCAAGAACAAGACTCTCGGCTATGGAGTCCCCATGTTGATGGATCCTGAGCT
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AGCCTTAAGACTAAGACAACTTGACTCTGCTGATTCTTTTTTCCTTTTTTTTTTTTTTTAAATAAAAATACT
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CAAAAAATGGTGGGGCGGCGCCAAAGAATTATACAACGTGGGCGGGGCGAAGATAAAGAGATTTTCCAAGA
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Table3 4855
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Table3 4856
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ctccaacgcctgccggaaagcagcccggcccggcattttacgacgttcgcagcgctacccttttccgctcc
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CAGCCAGAAGGCACTGAAGGAGAAGGAGAAGGCCTCCTGGAGCAGCCTCTCCATGGATGAGAAAGTCGAGT
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TAATCAGCC

Table3 4857
NNNNCCGCTGGGTGCAGCCGAGCGGTGTGGAGCGGAGAGAATACTCGAAGGGCTCTCCTGATACT
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CCTGGCCTCACTCAAACAGTAAACGAGGTATGTGACGCATTCCCAGACTCTTCAGCCAACTGAGCATCAGC
TTCTTCACAGCAATTGGGTCCTGATTAATGTCCTCCCAAGACAGACTTCATTGGATCCACGATCAAGAGGA
CTCTGCCAGGTTTTTCTGACCCCTCTACATTGCTATAAAGTGCCAAGGCCTTAAGACTTGGGTACGTGTGT
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Table3 4858
ACAGGTCTTGCCTAAAATCAAGAAGAGAGCAGGAGAACTGAGAAACTCCTCCCCTTCCCCCACCA
GAAGCCTTGTGTCTAGTAACAGGTAACAACAGCCATCTACTGTTGGAGAAAGAACAAAAGCATGGAAAGGA
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ATATTCCCACTTTGAACATTTGCTTCAGTGTCTACTTTTCTTCTATACAACATACCTGGCATTTAATTTAA
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GACTCANAAGTTGGAACGACTAGAGACTACTAGAGACNNNNNNNNNNNNNNNNNNNN
Table3 4860
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CCTCCCTACCGCCCCTGTCCCGCCGGGGAGCGGCGGCGGCCTTGGACTTTGCTGTCTTTCCTCGCGGAGAC
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ACTTTTGACGACAATAAAAGCCGTGGTCATGTTGGAATACGTCGAAAGAGCAACATGGAATGACCGTTTCT
CAGATATCTATGCTTTATGTGTGGCCTATCCTGAACCCCTTGGAGAAAGACTTTATACAGAAACTAAGATT
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AGTTTATTAAAAAGAATAAATTAACAGAAGCGGACCTTCAGTATGGCTATGGTGGTGTAGATATGAATGAA
CCACTTATGGAAATAAGAGAGCTAGCATTGGATATGTGGAGGAAAANGATGGTNGAACCACTTTAAGCCAT
TCTTATCCGAATGCTGCTCCGANNNNNNNN
Table3 4863
GGCTTCCTAGGACCCATTGTGAACCTCAGCGAGCCCACCGCCCATGAGGGGTCCACAGTGACCGT
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CTCAACTTCAGCTAAATGCTACCGAGAGTGACGACGGACGCAGCTTCTTCTGCAGTGCCACTCTCGAGGTG
GACGGCGAGTTCTTGCACAGGAACAGTAGCGTCCAGCTGCGAGTCCTGTGTGAGTCGGTCACCCTGACCTT
TAATCCCTCCACCCCTGCCCTGGAAAGATTAGACGCTCCTCTGCACCACTGTGCCTCGGGTGTGTTGGGTG
TCTGATCACACATGGTGGTTCCACAGATGGTCCCAAAATTGACCGAGCCACATGCCCCCAGCACTTGAAAT
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GAGCTCCACTCCAGCCGGGAGGTGCCGGAGGAGATCCCGTTCTTCGACAACN
Table3 4864
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AGGGTTCAGAGGTGGCACACCGGGACAAAGCTGAGGCCCTGCACCTCAACAGCTGACTGCCAGGTGCCTGT
GGGTGAACTGAGGGGAGTAGAGGGAGAGGGCAGGTGGAACTGGGGCAGAATCTAGTCATGCCCTAAAGCTA
GCCCTGTAAACAATGGTGCCCCAGAAAGCTGCAGGTGGTGTTTGGAGAAGCAGTTACTTTTCAGTTACAAG
ACCCATCTCCCTAGTCTCAGCCTTACAACACCACGGGACTAAGGAAGAGCACTTCCTTGCCTCCGTAAGGC
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GGGGAGGGAGGGAATGAAAGTGCCAAAGAAAACATGTTTTTAAGAACTCGGGTTTTATACAATAGAATGTT
TTCTAGCAGATGCCTCTTGTTTTAATATATTAAAATTTTGCAAAGACCTTTGAGCT
Table3 4865
accccgCGTCCGCTAGTTCTagatcGCGAGCGGCCGCCCTTTTTTTTTTTTTTTTTccCGCAATC
ACACCATTTATTGCTGTGCTGTCCGGGGAAGACACCGTGCAAATGCCAAAGTGCACTGAGGAGAGGGGAGG

Table 6
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GTCTGTGACTCCCAAACCCTCGAATATTTTATGAATCTAAGAGTCCAGACGCAGTTCATCCACGGAGATCT
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CTCCCCCGCGGGGAGGAATGTGGGAGAGGCAGAGGTCACTGAGTTTCCTCCTGTTTCGTGTCACCTCTTGG
CAACCTGTGCCTGGCTTCTAGAAGCGGCATGGGCAAGAAAAGGAAGCAAAAGAGGCTCTGGCCTGCTCCTC
CTTGCCCAGGAGCAAAGCCAGCAACTGTGTAGTCCCGCTGTGAGGTAATGCCTGGCGCCGCCCGTGTATTC
CTGCAGGTCAAGACAGATTCGGGCCGGGTGGGGTGGCAGCCCAGCCACGGAGGGCATGCAGGGAGAACACC
ACCAGGACTGGCTGCCTGGGCCGCAGCCACTTCCCGCCAGGCTCAGGGGCCTGGAGTCAGGGGGCGTCCTT
CCCTTATCTGTCCCCTGAGCTCCCTGGCTCCCCAGAAGGGTCTTCTATCAAGAACACTGGGCCCTGGGCAG
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GACGATCTCGGTCACTGCTGTTTTGCCATCGTAACTGGTAGCAGGAGCTAGGCGAGGCTTTGCGGGAGTTT
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Table3 4866
cgaccacGCGTCCggAACGTGTGGCGGCGGCGGAGATCGCGTCTCTTTCGCTCCGGTGTCCGCGC
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CCTTGGAAAAGATACCAATGGGGAAAACATTGCAGAATCACTGGTTGCAGAGGGCTTAGCCACCCGGAGAG
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TCAGGGCCCTGCTCCTCCCAGATTACTACCTGGTTACAGTCATGCTGTCAGGCATCAAGTGCCCAACTTTT
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Table 6
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ATCCAAATGGCAACATCACAGAGCTCCTCCTGAAGGAAGGTTTCGCACGCTGTGTGGACTGGTCGATTGCA
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CACTCAGTGCCTGCTCAACGTGGAACACCTGAGTGCCGGCTGCCCCCATGTCACCCTGCAGTTTGCAGATT
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Table3 4868
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Table3 4869
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CTAGGTTGTGCGTGGATGGACCAGTGAAAAGAAAATCCTGTTTGGGTAGGGAAGAGGGAAGTAGAAAACCT
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TGTNAGAGAAGTAATTTTCGGACACCCATTAAAGCTCAAATACAAGGGTGTTGGTTAGTGAAAAAGTTTTC
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Table3 4870
ACGCGGGGACACACCAGGATTCGAGGGCCACACGCCTCAGCCAGCCCCGGCAAGGGCCTATCAGG
GGTGGGTCGGGGCATCCGAGCGGGTTTGACGGAAGGAGCGGCGGCGACGGAGGAGGAGGATGGAGGCGGTG
GTGTTCGTCTTCTCTCTCCTCGATTGTTGCGCGCTCATCTTCCTCTCGGTCTACTTCATAATTACATTGTC
TGATTTAGAATGTGATTACATTAATGCTAGATCATGTTGCTCAAAATTAAACAAGTGGGTAATTCCAGAAT
TGATTGGCCATACCATTGTCACTGTATTACTGCTCATGTCATTGCACTGGTTCATCTTCCTTCTCAACTTA
CCTGTTGCCACTTGGAATATATATCGATACATTATGGTGCCGAGTGGTAACATGGGAGTGTTTGATCCAAC
AGAAATACACAATCGAGGGCAGCTGAAGTCACACATGAAAGAAGCCATGATCAAGCTTGGTTTCCACTTGC

Table 6
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TCTGCTTCTTCATGTATCTTTATAGTATGATCTTAGCTTTGATAAATGACTGAAGCTGGAGAAGCCGTGGT
TGAAGTCAGCCTACACTACAGTGCACAGTTGAGGAGCCAGAGACTTCTTAAATCATCCTTAGAACCGTGAC
CATAGCAGTATATATTTTCCTCTTGGAACAAAAAACTATTTTTGCTGTATTTTTACCATATAAAGTATTTA
AAAAACACACCATTGACACCAGACAAAACAAAGAAAAACACTCTCAAGGACACCAACATACAAGGGACGGG
ACCACACACACGAACAGCAACACGGGAAACACATGGAGCAGAGACCGTCGAACCACTGACACCACAGCATA
ACAGGCACCACGGGGACACAACACTCGCACAAACACACACAAAGGCGTACACGCCACAAATAGCGCGCATC
ACCACGGGCAACACGGACAAGCACAACGTACGCGCAACACCATCACGCGAACACAACCCCGCAAGCACGAC
AACACACACCGCATCGCGCCCCCAAGCGAAGACACCACAAATTGATCCTAAACAACCATCGCTTCTCAACT
CTCTCATCCTACTCCATCCAACAATCACATTCATACACTATAACTACCAAAAAGATCAATCCACATCACCA
CAATACATTCTATACCAACTCACAACAAACACACAAGACTACCAACTACACTACTCACCGACATCCTATCC
CATCTACTCACACACAAACCTAACTAAACAGCATCAAACATAACACACATAATCAAATCACAAGAGCTTAC
ACACACTAAACAAATAAAATTAACTCAACTAGATCGCCTGCATCACCACN

Table3 4872

NNNCATCACTTCGCCGCCGAATCCCCGGCGCCGCCCAGCGGGGCAGAGCCAGGCCAGGCCGCCCG
CCCAACCTGGTCCGCTGCCTCTTCGGCCATGGAAGCTGCCGGCAGCCCTGCGGCTACGGAGACAGCTTCTC
CACTCTTCCTCCTCCTCCACCTCCGCCCATGAAATGGTGCACTCTCCCTTTAAGACTAAGATGGTGGCTTG
CTACGATCGGGACTCCACTTCCGGTGGGGAGGGGGGCGGGACCCCAGCCCGCTCACGCCGGAAGTGGTTTG
CGTTTTCAAGATGGCGACTCCCTATGTTACTGACGAGACCGGCGGGGTGGGAACCGCCAAACCTCTCCCTT
CTTTTTGACTTCACCCTTGGATACCATCAAGGCCAGAGGATGGAACCAAGATAACATAAAATAGGTGCTCC
TTTGTGATAATGGGCTATTTGTATCTCTGAGGGCTTCCACACAGGATGGCCATTCAAGAAGCTTCTGCTCT
GCCTTTCATTACAGTCTATCTTTAGTCCTCCTAAACCTTCAGCTATAATCTCTATGCAATCAACTTAAATA
TATGTTGTAGTATTGTCCCTTTCTCCCAAATTCCATGTAAAACACTTGCCTGAATTGAATTGTTTCCACAA
AGTTGTTTTCCCTGTGGACTTGTTTATATCAGTAGTTTTTATTTTCCCAATTTTCCAAATTCACGAGTGAT
AATTATCAATAGGTGTGTACTCGGTAAGCGATCCTTCTCACTAGAATGTATACTCTCAAGAAGGCGAGAAC
TTGGTGGCGTATTCACTGGGGATTCCAAAGGTCTGTTACGTGTTGGCCACGCAGTAGTGCCACTACACAGT
TAATCCCAAAAAAACAACANNNNNNN

Table3 4873

catcagcttttaagaaaattttgagagaaaagcaagtgaagaaaagagtagtcagtgcccaaca
tcacggatctctcactgaacacaccatgcctggtattctctcacagtgatgtcaccatttctacctgccac
gtatcggcgaaggttgggactcgactggtgtttgatcacgatgggaaaatcatccagaaaaccccccttcgc
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tagaagtaccccaccccaccccctgctccttggaggacaacgtgatcactgtattcagctctgtcaagaatg
gtcCAGgttcttctAGatgATCTGCACAAATGgttcctCTCCtccagcctggtGTCTGCCATTAGCATTGG
AATAAAGTTCCTGCTGAAAATCCACATCTCCCCTGGGTCCGGTGTTCTGGAAGCGAGAGAGACAATGTCAC
ACTTCAAGGAGGCAGCTCTCTAGACAGGAAAGTTATTCACGTCCCATGTCAATTGAGAAATGCAATTTTAT
CTGCTGCCTTTCATTCTATACCCTGCTTCTGAACCATCGTGTTCAACTGTGAAACTCACACTTTGGTGACC
ACGACTCCAAAACTCACTTAATACACCCAAGGTCAGCCCCAGTGATCTGCTTCATAGCAAGGACTTTGGGT
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CAGAAGCCTAATCCTTAATCCTACCTCCTCATGATGAAGTCTCATGCTCTGTGCTCAACGTGGTTAGCTGC
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acctccccaaacTCAgtttttaTGATTATTtttgaGGCAGGGTCTCACTCTGTcgaccaGACTGGAGTGCA
GTGGCAGGATCAGGGCTCCGTGCAgccctgACCTTCCAGGCTCCAGCGATCCTCCCGCCTCAGCCTCCTGA
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TGCCTTTACCCCGGAGGATGCAGATGTACCTTCTCTCAGGCCGATGACCTCAGGCCTCCACGGTCCCTGGA
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cATTGGCCAGGTAGCTGAGGACAGAAATCAGgttgcTGCTCaggggcaccaCCAGGAGAGGCCTCCGGCTG
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CATGCcttcctcAGGAGGGCTCTgctggacagagacctgatcaagggcgtctcccaCTCCTtccggcatGG
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accaccatgcacacccaggcccacgcagagaaacccgagtagacagcagacacaggagtccgcataaaacc
gaaagggaccacacgccacaccggaaaacaagcacacagaccaaaaaactgcagggaacacagcgaaaaca
gagagaagaaaggacacagagcgcacgaccaaaggcacacaagaaacaacgccaaaccaacacgacaacag
acaaagcagacatcagccacgcggtaaagcgga

Table 6
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Table3 4875

NNNNAGAAGGCGACGCCTCTTGCCTCCTGTCTCTCGCCTCTCGAAGGAAGTTTGCTCTTAATTTC
AGAGCCGGGTTCGCCGTCGGATCAACCTCCAGGAGCTAGCAGCGGGCGCGGACCGGGCAGTTTCCGCGCTC
AGCACAGGCAGCTCGCGGTCATGGGCGGCTCAGCCTCCAGCCAGCTGGACGAGGGCAAGTGCGCTTACATC
CGAGGGAAAACTGAGGCTGCCATCAAAAACTTCAGTCCCTACTACAGTCGTCAGTACTCTGTGGCTTTCTG
CAATCACGTGCGCACTGAAGTAGAACAGCAAAGAGATTTAACGTCACAGTTTTTGAAGACCAAGCCACCAT
TGGCGCCTGGAACTATTTTGTATGAAGCAGAGCTATCACAATTTTCTGAAGACATAAAGAAGTGGAAGGAG
AGATACGTTGTAGTTAAAAATGATTATGCTGTGGAGAGCTATGAGAATAAAGAGGCCTATCAGAGAGGAGC
TGCTCCTAAATGTCGAATTCTTCCAGCCGGTGGCAAGGTGTTAACCTCAGAAGATGAATATAATCTGTTGT
CTGACAGGCATTTCCCAGACCCTCTTGCCTCCAGTGAGAAGGAGAACACTCAGCCCTTTGTGGTCCTGCCC
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CCAGAAGAGGTTTAGTGCCCTCCTGAGTGACTGCGTCAGGCATCTCAATCATGATTACATGAAGCAGATGA
CATTTGAAGCCCAGGCCTTTTTAGAAGCTGTGCAATTCTTCCGACAGGAGAAGGGTCACTATGGTTCCTGG
GAAATGATCACTGGGGATGAAATCCAGATCCTGAGTAACCTGGTGATGGAGGAGCTCCTGCCCACTCTTCA
GACAGACCTGCTGCCTAAGATGAAGGGGAAGAAGAATGACAGAAAGAGGACGTGGCTTGGTCTCCTCGAGG
AGGCCTACACCCTGGTTCAGCATCAAGTTTCAGAAGGATTAAGTGCCTTGAAGGAGGAATGCAGAGCTCTG
ACAAAGGGCCTGGAAGGAACGATCCGTTCTGACATGGATCAGATTGTGAACTCAAAGAACTATTTAATTGG
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CCATCCTGGAGGAGCTCATGGGACCAGTGAGCTCGGGATTCAGTGAAGTACGTGTACTCTTTGAGAAAGAG
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CAGGAGCTAATGGAGAATGCAGTGTTCACTTTTGAGCAGTTGCTTTCCCCACATCTCCAAGGAGAGGCCTC
CAAAACTGCAGTTGCCATTGAGAAGGTTAAACTCCGAGTCTTAAAGCAATATGATTATGACAGCAGCACCA
TCCGAAAGAAGATATTTCAAGAGGCACTAGTTCAAATCACACTTCCCACTGTGCAGAAGGCACTGGCGTCC
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AAATGTCTATGAGGAGATTTTACATCAGATCCTGCTTGATGAAACTCTGAAAGTGATAAAGGAAGCTGCTA
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CTGCCTCGGGTTCTTTGAAGGCGCTCAGAAAGTTGCTGACAGCGTCCGTGGAAGTACCAGTGGACTCTGCT
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CACTGCCCATGAAGGAAGAGGGGGCAAGTGTACCGAGGAAGGGGATGCCTCACAGCAAGAGGGCTGCACCT
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AGTTTTGAGTATACTCTGCACTTTTCAATTGTGCAATCTTCTTGTGCACTTTAAGGCTTTTTAATTTTGTT
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TCGGCATTTGTCCACAGTCAGACTGCAAGAGAGGGTAGGTCATGAACAGTCACCCGTGCTGGCTGTAGCCC
CCACAGAGGCAATCATGCCCAATAGATTCAAGAGAAGCTAAGCGGAAATGGAGGGTGGAAGGTGTGATCTG
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TTAATCACATTTGCAGGAAATTCAGATGAGGCAAGAAAATTTTATTGGCCTGGGTAAGACTGAAAGCATTC
CAAATTAGGCTTAGACTGTGCAAAGGGCTTAGCTAAGTTATCGAGCTTAAAACCCGTCAATTAAACAAACA
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TGTTCTAGCATAAATTAAAAGGTCCAAGGGAATTTAATCTGGAAGAGAACATATGCCAATTTTTAAACTAT
GACAGCTTTTTTTTTTCTCTTTCCATTCAAATAGTCCTGGTTCATTCCCAGAAGGGCACAAAATGAATGAA
TAAATAAATAAATGAATAAAGACAAAAGCCAAGGTGTATGCTCTCAAGTTCCAAAGATGTTATCAAAAGCT
GAAATCATTTGTTTGGTCATTCAGCAAGCTAATTGAGTCTCTGTTATATACCAAGCACTGGGGATACCATG
GCGAAAAACAACTTTGTTCCTTCCTCCTAGAACTTACATTTTAATGGAAATAGACAAAACACATCTTCTTA
ACGGATGGTGACCTATAACCATTAATGTTGAAAATGGAAGAGACTTGCTTCCAAAAGATTAAAAGGAGTTG
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CCCTCCCCGACTTTTTATTTTATTTTATTCTATTTTTTTGAGATGGAGTCTCGCTCTGTCGCCAAGGCTGG
AGTGCAGTGGTGTGATCTCGGCTCACTGCAACCTCCGCCTCCTGGGTTCAGGAGATTCTCCTCTGTCAGCG

Table 6
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TCCCAGGTAGCTGGAATTACAGCCATGCGGCCCCTTCCCGGCTCATTTTTGTATTTTTGGTGGAGATGGGT
TTTCACCTGCTGCCCGGCTGCTCTCAACTCCTAATTGGCAGCNNNNNNNNNNNN
Table3 4877
NNNNNNNNNNNNNNCCGAGGTACTGCCTTATGGTAAGCCACATACCTTTTTATCTTGTAATATCT
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AGCTCTTAATTCTATCCTTAGGCCCCGATTCAGAAAAGGGGGTTCCTCATGCTGGATCTGAACAACCCAGC
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GTGGCTGGCTCAGGTGGGCAAACCAGGCAAGAAAAGCAACTGTCCTTCGGAGCAAAGTCCACGTGATGGGA
AGAAACAGGTCATGATACTTTTGAGTGGTTACAT
Table3 4878
NGGCCCCAGGTTACACTTATNCTCCGCTCGTTTTGTTGATTGTNGCGATACATTCACACGGAACA
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CCGCCGGCTTGTTGCTCAGCGTCGGAGGCGGTAGTGACGGTGGCGTTTCCTTGAGGAAGAGTGAGGGTTCC
AACTTTTCTGCTTATCTGGGAGGTGTTGGGCGCGGACAGTCGAGATGTCAGAGAAAAAGCAGCCGGTAGAC
TTAGGTCTGTTAGAGGAAGACGACGAGTTTGAAGAGTTCCCTGCCGAAGACTGGGCTGGCTTAGATGAAGA
TGAAGATGCACATGTCTGGGAGGATAATTGGGATGATGACAATGTAGAGGATGACTTCTCTAATCAGTTAC
GAGCTGAACTAGAGAAACATGGTTATAAGATGGAGACTTCATAGCATCCAGAAGAAGTGTTGAAGTAACCT
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CCAAAAAAACACAACCACGCAGAGCAGCACACCAACACCGTTGTGGGGGCCGGGCGGGTGGCCCTGAGAGA
GGTTTTCAAGACCCATCTCGGTGGGGGCGCGGGGGCCCTGGAGAACCGGCAACATGGGCAACAGGGGACCC
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GGGAGCCTATTAATTACCCGCCCCCGCCCGTGGGCGCGGTAGCTGCGCACAGAGAGACGATGCACTAAACA
GCAAGACAACAACAAGCAGCAACAGAAACCAGCAGCGAGCAGAGGACAACAAGAACCAGCAACAAGCAGAA
GGAAAGAGAGAGAAGAACACGCCACAAAGCAGAAGAGACAGCACAAAGAAGCACAGACGACAATAAAGCAC
AGACAGAATACAACGACAGACGAAAGCNN
Table3 4879
NNGAATTTAGGTGACACTATAGAAGAGCTATGACGTCGCATGCACGCGTACGTAAGCTTGGATCC
TCTAGAGCGGCCGCCTACTACTACTAAATTCGCGGCCGCGTCGACCCTGTCTGGAATATCTTTATACAAAC
ACAAATAAACAAATGTGTCCCCTTTCATTCACATTTGCCCCCTTTCATTCAAATGACTGATGGTCACATGT
TCTTCACAGGTTCTGTCTCTTGCTTTTCTCTTCCGCATCGCAGGTGGAGTGGCTGAAACTTCTCAGCAGGC
GCATCTACACTAGTGACCTGAGGAGAGAAACCCTAACCCCACAATGGCTGCATCTTCTCTGAAGACGAGAC
TGATGCTCATCTTTGAAATGAAGGGCAGTGTGTGCATTTCTCCATGAAGGTATCCAGAAACAGCCATGCCA
GAGCTGCTGTGGGGTGGCTGAACTGCTATTCCTTTTCTAGGGTGGGATCCCCACTCTTTGTAAGGAAGGAT
ATTGGGGTCCTGACACTGGGAACTCATCTTGTCAGTGAGGCCTTCTTTAACTGCTGTCTTGTAATTGAGCC
ACCCCATCTGTGTTTCCTGTTCCAATTTAGGACTTTTTTTTTTTTATCATAATATAAAGATCTGAAATGCT
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GAAATTTCTTTACTTTCCTCAGGGGATGATCCAGAAGATGAAAAACAAATTGTCATTCCATATAGTCCTCT
TCTGAGTGTTTTTCAGTTTTGTTAAAACTCAGATTTTTTTCTTTTTACCTGAATGTTTTTTTGTTAATGAT
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Table3 4880
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ATTGACACTGAGCTCTCCTTTATCCATGTTAAAATTGTAGATAAACAACAATTGACAAAGAATAGACAAAA
TGTTCTAACATAAATATTCTTCCCTTGTTTCTAGAAAGAAGTCACACATACAGTAAAAATAATTAGAGAGG
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AGTGAGTCCAACCCCTGCAGTCCCCTCTGTCTGGAATAGATGGAGGAAGTTTGCTCCAGCCTTAGAACAGC
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GTCGGGTTAAGGCCAAGCTGAATCACATGACCAGGGCTCTCACCAGCGCCAAAGTCAGTGGAAGGATATCA
GTCCCCAGAGCTCTGTCACAGGCCATGGATGCTCCATGGAGGGGTGGTGAGCATATGAATAACAATCAGGA
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ATTCAAAAGACGATGTCTTGAAGGAAACCTAGGTACCAAATCTTTGTGATCTTTGGATTAAACATTTTTTA
AGTAGCACAAACAACCCAAAAAAAAGAAAAAATGACTTCATTAAAATTAAAAACTTATTTGCTTCAAAGGG
ACACTGGTCAAGGAGNNNN
Table3 4882
ACAGGTGTGCACCTACTGCAAGAAATGAAAGTGATTGGGAATGAAGCAAGATAACAGTTATTCAC
GTGGAAGATCGAGAAGTGTAAATATTTACCACCAACAGCTCAGTTATATTATGGCAAGTTCATGAATGAAA
AAAAGGATTTTCAATTCTGAATACATATCCTACTATTTTAAGACCTATAGATCATTTGATTCTTTCTCCCC
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Table 6
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CTTAAAATATTGCTGCAGCATATTTAGCAAAGTTTTTCTGACTCATAACAGTTTTATGATTTTTCTCTTAT
CCTCAGTTGCTATACCTGCCTTTCAGGAACTGCCCTCGTTTTCAAGAACTTGAGAGTGAGACTTTGAAATC
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ATGGCCAGGACCTTTTTGGAATTTGGAGTAAAGTCTACGACCCTTTATATTGTGAGAGTGTTCACAATTTC
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CCTCTATGGAATTCACAAGCAGAAAGAGAAATCTAGGCTCCAAGGGGGTGTCCTGGTCAATGAAATCCTCA
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AGTGTGCACAGAGATCTCTGTAGAAAGAGTAGCTGCCCTTTCTCAGGGCAGATGATGCTTTGAGAACATAC
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CTCAGGCAATTCCTACCTCTTCACCTGACCCTGCCCCCACTTGCCATAAAACTTAGCTAAGTTTTGTTTTG
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TGCTACTATCTGTTTTTATATTTCTGTTAAAATATATGAGGCTACAGAACTAAAAATTAAAACCTCTTTGT
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TGTTGACTCTAAAGTTGATTTAAGGCCAGGCATGGTGGTTTACGCCTATAATCCCAGCATTTTGGGAGTCC
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GAGGATCACTTGAGCCCCGGAGGTCGAGGCTACAGTGAGCCAAGAGTGCACTACTGTACTCCAGCCAGGGC
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AACAAAGTTGATTAAGAAAGGAAGTATAGGCTAGGCACAGTGGCTCACACCTGTAATCCTTGCATTTTGGA
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AATGTGTAAGTCTTTAATGCCGATATCTTCAGAAAACCTAAGCAAACTTACAGGTCCTGCTGAAACTGCCC
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CATAATGGTAATAGAGCACAGTGTTCTCTAGACATGTAGATctcccaCATGCcaagCTATATCATGATTTC
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TTTTGGTAGAGACAGTGTCTCACTATGTTGACCAGGCTGGTCTTGAACACACCAGgcctaaagTGATCCTC
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tcaactttgtttttatttatttatttatttatttatttatttatttattgAGACAgggt
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CTGCCCACCTCGGACTCCCAAAATGCTGGGATTATAGGCGTAAACCACCATGCCTGGCCTTAAATCAACTT
TAGAGTCAACATCTCTTATCACTGGAGCTTCTGGAGAAACTCCATCACGTGGTGCTCTCTTTCCTGATGTG
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TGTATTACATACATCAAATCTTTCTGTAAAGTTTGATTTTTGTTTCTTTAAAAGGAACATAAATGTTCCAG
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AGATAGTAGCAGTTTTCCAGTGGAGAAAACTTTCCAGATGTCCCCACTGTATCTCCTTTCTTTGCCTCTCC
TTGAgagaaggctgGAACTGATGGGTAAATTGGTTTTTTGCCCATCAGCCTATTCACATCTTTCCTTCCTT
GTTCCCACCCTAGATTGTGGGGTTTTTTTTTGAAATCTGTTCCATTTCAGACATTTAAAGAACAGCCTTAT
CTAATCCTGCTCAAGCAAAATCTCAGAATCCTTAAATACAAAAGATCCTGTGTGGCCAGTCATATAGTTCA
TGGGAACTCTATGAACTTTGACCTAAGCTTTATCTCTGATTATATTTTGGCACTGCTGCCCCTTTACATTA
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AATTGCCTGAGGTTGGGGGTCCCTAAAACATAAAATAATCATCCAAAGCCCATTTTCCTCAAAGCTGGGGG
TAATGGCCAAAGTATGTTCTCAAAGCATCATCTGCCCTGAGAAAGGGCAGCTACTCCTTCTACAGAGATCT
CTGTGCACACTAATCTGTACCTGCCCGGCCGGCCGCCACCGCGGTGga
Table3 4884
NCTAGGGACCTAAATACTAGGTCAGCTTTGGCGACACTGTGTCTTCTCACATAACCACCTGTAGC
AAGATGGATCATAAATGAGAAGTGTTTGCCTATTGATTTAAAGCTTATTGGAATCATGTCTCTTGTCTCTT
CGTCTTTTCTTTGCTTTTCTTCTAACTTTTCCCTCTAGCCTCTCCTCGCCACAATTTGCTGCTTACTGCTG
GTGTTAATATTTGTGTGGGATGAATTCTTATCAGGACAACCACTTCTCGAACTGTAATAATGAAGATAATA

Table 6
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ATATCTTTATTCTTTATCCCCCTTCAAAGAAATTACCTTTGTGTCAAATGCCGCTTTGTTGAGCCCTTAAA
ATACCACCTCCTCATGTGTAAATTGACACAATCACTAATCTGGTAATTTAAACAATTGAGATAGCAAAAGT
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ACCAAGACTAGTTTCTTCAGGGCAGTGGACGTAGTAGTTTGTAAAAACGTTTTCTATGACGCATAAGCTAG
CATGCCTATGATTTATTTCCTTCATGAATTTGTCACTGGATCAGCAGCTGTGGAAATAAAGCTTGTGAGCC
CTCTGCTGGCCACAGTGAGGAAAGTAGCACAAATAGGATACAGTTGTATGTAGTCATTGGCAACAATTGCA
TACAATTTTACTACCAAGAGAAGGTATAGTATGGAAAGTCCAAATGACTTCCTTGATTGGATGTTAACAGC
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GTTTGGCTAGTATATCTTGCTGGATGGAGCCTTGAACTCCGGCAAGGATTGAACCATCTGACTTCCAAATT
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AAACCCCCAAAGGATGTTCCTGCCTTGTGGGCCCCTGAGCCCCTTGGGAGACTGAGAATCATGACCAGATT
CATCCAGAACTGCTGCAGTGTTAAGTGAAAATCCTCTGTAGTTGTTCTGCAGAGGAACCTTCCTTCCATTA
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ACGAAAACACTAAGACAGCAACAAGATGAAGAAAACGACAGGACAAGCAAAAGAGAGACGAGAACACACAA
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Table3 4886

aaatttatttcccagtttactcccctcgctcaaactccgcgcccctctcgctccgagagacatag
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TAGAGAATGGTCTCGAAGTAACTTCTCGGTAAAGTCTTCACGGAATTTCCAGACCACACTTGCCCACTGGG
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CTTTCCAAAGAGCTGAGACAGAAGTACAACGTGCGATCCATGCCccaTCCGAAAGGATGATTGAAGTTCAG
GTTGTACGTGGaacACCTATAAAGGTCAGCAAATTGGCAAAGTAGTCCAGggtTTACACGGAAGAAATATG
TTATCTACATTGAACGGGTGCAGCGGGAAAAAGGCTTAAtTGGCACAACTTTTCCACGTAGggcATTCACC
CCAGCAAGGTGGTTATCACTAAGGCTAAAACTGGGACAAAGACCCGCAAAAAGATCCTCGAACGGAAAGCA
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ggaggcc

Table3 4887

NNAGCTAGGCATGGTGGCACATGCCTGTAATCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATTG
CTTGAACCCGGGAGGCAGAGGTTGCAGCCGGCCCAGGGCCCTACCCGCCCTGGCGCACTGCTCTTCCCGGT
CATGGAGGCGCCAGCCGCCGGCTTGTTTCTGCTCCTGTTGCTTGGGACTTGGGCCCCGGCGCCGGGCAGCG

Table 6
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CCTCCTCCGAGGCACCGCCGCTGATCAATGAGGACGTGAAGCGCACAGTGGACCTAAGCAGCCACCTGGCT
AAGGTGACGGCCGAGGTGGTCCTGGCGCACCTGGGCGGCGGCTCCACGTCCCGAGCTACCTCTTTCCTGCT
GGCTTTGGAGCCTGAGCTCGAGGCCCGGCTGGCGCACCTGGGCGTGCAGGTAAAGGGAGAAGATGAGGAAG
AGAACAATTTGGAAGTACGTGAAACCAAAATTAAGGGTAAAAGTGGGAGATTCTTCACAGTCAAGCTCCCA
GTTGCTCTTGATCCTGGGGCCAAGATTTCAGTCATTGTGGAAACAGTCTACACCCATGTGCTTCATCCATA
TCCAACCCAGATCACCCAGTCAGAGAAACAGTTTGTGGTGTTTGAGGGGAACCATTATTTCTACTCTCCCT
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TCCTGCTGCTGCCCAGGATGTTTATTACCGGGATGAGATTGGCAATGTTTCTACCAGCCACCTCCTTATTT
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GTTGGCTACAACCTCCCAAGCTATGAGTACCTCTATAATTTGGGTGACCAGTATGCACTGAAGATGAGGTT
TGTGGACCATGTGTTTGATGAACAAGTGATAGATTCTCTGACTGTGAAGATCATCCTGCCTGAAGGAGCCA
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AAGGTAGCCTGCATCACAGAGCAGGTCTTGACCCTGGTCAACAAGAGAATAGGCCTTTACCGTCACTTTGA
CGAGACCGTCAATAGGTACAAGCAATCCCGGGACATCTCCACCCTCAACAGTGGCAAGAAGAGCCTGGAGA
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TGCGACAGAGTGAGCGAAATGCAGAAGCTGGATGCACAGGTCAAGGAGCTGGTGCTGAAGTCGGCGGTGGA
GGCTGAGCGCCTGGTGGCTGGCAAGCTCAAGAAAGACACGTACATTGAGAATGAGAAGCTCATCTCAGGAA
AGCGCCAGGAGCTGGTCACCAAGATCGACCACATCCTGGATGCCCTGTAGCCCCTGCCCGCATCCTCCAGG
GGGCCCAGGGTGCCTGCACTTTGCTGTGGCAGGCAGATTGGGTGGTAGTGGGAGGTTGTGCATGGAGGCCA
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Table3 4892
NNCTACTAAATTCGCGGCCGCGTCGACTTTTTTTTTTTTGGTTACTTCTGCTAGCTATTTAATCT
AGGAAATACAGCTCAGAATAAAAATGCAGTCATAAAACCTGTTGGTATAAAGATAAGCAGTTTATTTAATA
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GGCTTAACCCAAATGTCATAAGAGAACTCATGAATTTAGATAGGAATCCACTTATTATCCAAAGACGTTTT
CATATCAAGTTAGGTGAGCCTATATTACTAGCTATATTTATACTTACTTCAATCAAATTTATATACTTTGT
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AAATTTCTAGAATGTTCT
Table3 4894
NNACCCACGCGTCCGGTTAAAGTCAGGGGGCAAAGAGTAAACGCGCGACTCCAGCGCGCGGCTAC
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GCGGCGGCGGAAGCGGAGGGGGACCACCGTGGAGAGCGCGGTCCCAGCCCGGCCACTGCGGATCCCTGAAA
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GAGTATCACCAGCCCCAGGCCCCCGCCAACGTGGCCAAGATTCAGCTGCGCCTGGCTGGGCAGAAGAGGAA
GCACAGCGAGGGCCGGGTGGAGGTGTACTATGATGGCCAGTGGGGCACCGTGTGCGATGACGACTTCTCCA
TCCACGCTGCCCACGTCGTCTGCCGGGAGCTGGGCTACGTGGAGGCCAAGTCCTGGACTGCCAGCTCCTCC
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CGACTGAGAGGCGGTGCCTACATCGGGGAGGGCCGCGTGGAGGTGCTCAAAAATGGAGAGTGGGGGACCGT
CTGCGACGACAAGTGGGACCTGGTGTCGGCCAGTGTGGTCTGCAGAGAGCTGGGCTTTGGGAGTGCCAAAG
AGGCAGTCACTGGCTCCCGACTGGGGCAAGGGATCGGACCCATCCACCTCAACGAGATCCAGTGCACAGGC
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Table 6
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TGTGAGATGCAACACCCCTGCCATGGGCTTGCAGAAGAAGCTGCGCCTGAACGGCGGCCGCAATCCCTACG
AGGGCCGAGTGGAGGTGCTGGTGGAGAGAAACGGGTCCCTTGTGTGGGGGATGGTGTGTGGCCAAAACTGG
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GGAGTTGCCTGCTCAGAAACCGCCCCTGACCTGGTCCTCAATGCGGAGATGGTGCAGCAGACCACCTACCT
GGAGGACCGGCCCATGTTCCTGCTGCAGTGTGCCATGGAGGAGAACTGCCTCTCGGCCTCAGCCGCGCAGA
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TTCCGGCCCAAGAACGGCCGCCACGCGTGGATCTGGCACGACTGTCACAGGCACTACCACAGCATGGAGGT
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TGGAGGACACAGAATGTGAAGGAGACATCCAGAAGAATTACGAGTGTGCCAACTTCGGCGATCAGGGCATC
ACCATGGGCTGCTGGGACATGTACCGCCATGACATCGACTGCCAGTGGGTTGACATCACTGACGTGCCCCC
TGGAGACTACCTGTTCCAGGTTGTTATTAACCCCAACTTCGAGGTTGCAGAATCCGATTACTCCAACAACA
TCATGAAATGCAGGAGCCGCTATGACGGCCACCGCATCTGGATGTACAACTGCCACATAGGTGGTTCCTTC
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Table3 4895
NCGTCCGCCCACGCGTCCGCGACGCCGGCGTGATGTGGCTTCCGCTGGTGCTGCTCCTGGCTGTG
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Table 6
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GCTCTCATTCATTTAGTGCTACGCTGCACAGTTCTACACTGTCAAGGGAAAAGGGAGACTAATGAGGCTTA
ACTCAAAACCTGGGCATGGTTTTGGTTGCCATTCCATAGGTTTGGAGAGCTCTAGATCTCTTTTGTGCTGG
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GCCTTATCCACCAAATACACAGGGAAGGGTGATGCAGGGAAGGGTGACATCAGGAGTCAGGGCATGGACTG
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TTAAAAAATTAAAACTCAAGTAATTTTAAAGNNNNNNNNNNNNNNNNN

Table3 4897

GGAGCTGGTTGCCTCGCCTCCCTGATTCTCAAGCGGACATCATTTCCACCGTTGAGTTTAATTAC
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TGTTTACAGCACGCTTTTCAAAGTCATGGAACCGGGGGTTTTGACTATTGTGAAAAGTCTAGGAAATTGGA
GGGAAAAAATTGATTAAAATTAGGTGGTTGCCACAACAGAATGCTGCTCATTTTCTACTGTCTACAAATGA
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ACAGATAGAAGCTTTAACATCGTGGACATCAAGCCTGCTAACATGGAGGAGCTGACCGAAGTCATCACTGC
AGCCGAGTTCCACCCGCACCAGTGCAACGTGTTCGTCTACAGCAGTAGCAAAGGGACCATCCGCCTGTGTG
ACATGCGCTCCTCGGCCCTGTGCGACAGACACTCCAAGTTTTTTGAAGAGCCTGAAGATCCCAGCAGTAGG
TCCTTCTTCTCAGAAATAATTTCATCCATATCCGATGTAAAATTCAGTCATAGTGGGCGGTACATGATGAC
CAGAGACTACCTGTCGGTGAAGGTGTGGGACCTCAACATGGAGAGCAGGCCGGTGGAGACCCACCAGGTCC
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GCGGAGGGATGTGACCCTGGAGGCCTCGAGAGAGAGCAGCAAACCGCGCGCCAGCCTCAAACCCCGGAAGG
TGTGTACGGGGGGTAAGCGGAGGAAAGACGAGATCAGTGTGGACAGTCTGGACTTCAACAAGAAGATCCTG
CACACAGCCTGGCACCCCGTGGACAATGTCATTGCCGTGGCTGCCACCAATAACTTGTACATATTCCAGGA
CAAAATCAACTAGAGACGCGAACGTGAGGACCAAGTCTTGTCTTGCATAGTTAAGCCGGACATTTTTCTGT
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GAGAAAGCCGCCTCCGCTGGAGGCCCGGTGTGGTTCCGCCTCGGCGAGGCGCGAGACAGGCGCTGCTGCTC
ACGTGGAGACGCTCTCGAAGCAGAGTTGACGGACACTGCTCCCAAAAGGTCATTACTCAGAATAAATGTAT
TTATTTCAGTCCGAGCCTTCCTTTCCAATTTATAGACCAAAAAATTAACATCCAAGAGAAAAGTTATTGTC
AGATACCGCTCTTTCTCCAACTTTCCCTCTTTCTCTGCCATCACACTTGGGCCTTCACTGCAGCGTGGTGT
GGCCACCGTCCGTGTCCTCTCGGCCTTCCTCCGAGTCCAGGTGGACTCTGTGGATGTGTGGATGTGGCCCG
AGCAGGCTCAGGCGGCCCCACTCACCCACAGCATCCGCCGCCACCCCTTCGGGTGTGAGCGCTCAATAAAA
ACAACACACTATAAAGTGTTTTTAAACAAAAAATAATCAATTATATTCGGGCCTTTGGCCAATCCCCTATA
GGGGGGGTTAAAAATAGTGCGCGGTTTATACAAGCGCCTTGGAAACCCGTGGTCCACCTAAAACTTTGGTG
AAAACCTCTTTCGCGGGGGAAAATAAAGAACCCACCGAGGCTTTCCAAATGGCCCCTTGGGCCGGAATATA
GGTTATTTTTAAAATCGGAATTTTTGTAAAGTTATTTTCACCTCGCGGTGGGAAATCTTATCACCCCCCCT
TAGGGTCCTCTCTCTCATAGGCTTTATAGGTCTCTCTACATGCTTCTTTCCGGCGTCCAGGCCTCTCTACA
NNNNNNNNNNNNN

Table3 4898

NNACTATAGGGCGAATAGTAGCTGCACGCGCGGTGGCTGCACCGCGGCAGGCGGCCGAGGCACGC
GGGGGCTGATGCCATTTTCAGCCTCAGCACGCCTGCACCCAGGCGCTCATTAAAACAGCATGTTGCTCCCC
ACTGCCTCGTGTTGTCTGTTGGCGCGCTGTCGGGGTTCGAACCGATACAAGAACCTTCCACCTACCTGGTG
CTTTGGCCTCATCTATAAGCGGCCAGTCATCTGCCCTAAGTGCTGCCGCCGAAGACTGAATGTCCTGGAAA
GTTTGCTGTCACATCTCCATTATGACAAAAGCATTGTGCCGAACAGATGAAAAAATGCATTGTCAACGGAA
TCTTTTATGTTTGTTTGTCTTCCTTTAAGCAACATTGCCTTACTTGTTATAAAAGATAAATAAATATTTGT
TCATTTCTAAACACAGACCAAGAAGAAAAAGAACAAAGT

Table3 4900

CGTCCGTGCGTTTGTGGCCGTCCGGCCTCCCTGACATGCAGATTTCCACCCAGAAGACAGAGAAG
GAGCCAGTGGTCATGGAATGGGCTGGGGTCAAAGACTGGGTGCCTGGGAGCTGAGGCAGCCACCGTTTCAG
CCTGGCCAGCCCTCTGGACCCCGAGGTTGGACCCTACTGTGACACACCTACCATGCGGACACTCTTCAACC
TCCTCTGGCTTGCCCTGGCCTGCAGCCCTGTTCACACTACCCTGTCAAAGTCAGATGCCAAAAAAGCCGCC
TCAAAGACGCTGCTGGAGAAGAGTCAGTTTTCAGATAAGCCGGTGCAAGACCGGGGTTTGGTGGTGACGGA
CCTCAAAGCTGAGAGTGTGGTTCTTGAGCATCGCAGCTACTGCTCGGCAAAGGCCCGGGACAGACACTTTG
CTGGGGATGTACTGGGCTATGTCACTCCATGGAACAGCCATGGCTACGATGTCACCAAGGTCTTTGGGAGC
AAGTTCACACAGATCTCACCCGTCTGGCTGCAGCTGAAGAGACGTGGCCGTGAGATGTTTGAGGTCACGGG
CCTCCACGACGTGGACCAAGGGTGGATGcgaGCTGTCAGGAAGCAtgccaagggcctgcacATAGTgccTc

Table 6
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ggctcctgtttgaggactggactacttctacgacctgctctaggtgggcattgcggcctccgcggtggacg
tgttcttttctaagccatggagtgagtgagcaggtg
Table3 4901
NNACTTGCTTTCTATCTCTTCTGCCAAATATCCTAGGTCATCATTCTTCGGTTGGCGCCCCCCGC
ATCCGGCTGCGAGGCGCTGGGCACAGGTGTCCTGATGGCAAATTTCAAGGGCCACGCGCTTCCAGGGAGTT
TCTTCCTGATCATTGGGCTGTGTTGGTCAGTGAAGTACCCGCTGAAGTACTTTAGCCACACGCGGAAGAAC
AGCCCACTACATTACTATCAGCGTCTCGAGATCGTCGAAGCCGCAATTAGGACTTTGTTTTCCGTCACTGG
GATCCTGGCAGAGCAGTTTGTTCCGGATGGGCCCCACCTGCACCTCTACCATGAGAACCACTGGATAAAGT
TAATGAATTGGCAGCACAGCACCATGTACCTATTCTTTGCAGTCTCAGGAATTGTTGACATGCTCACCTAT
CTGGTCAGCCACGTTCCCTTGGGGGTGGACAGACTGGTTATGGCTGTGGCAGTATTCATGGAAGGTTTCCT
CTTCTACTACCACGTCCACAACCGGCCTCCGCTGGACCAGCACATCCACTCACTCCTGCTGTATGCTCTGT
TCGGAGGGTGTGTTAGTATCTCCCTAGAGGTGATCTTCCGGGACCACATTGTGCTGGAACTTTTCCGAACC
AGTCTCATCATTCTTCAGGGAACCTGGTTCTGGCAGATTGGGTTTGTGCTGTTCCCACCTTTTGGAACACC
CGAATGGGACCAGAAGGATGATGCCAACCTCATGTTCATCACCATGTGCTTCTGCTGGCACTACCTGGCTG
CCCTCAGCATTGTGGCCGTCAACTATTCTCTTGTTTACTGCCTTTTGACTCGGATGAAGAGACACGGAAGG
GGAGAAATCATTGGAATTCAGAAGCTGAATTCAGATGACACTTACCAGACCGCCCTCTTGAGTGGCTCAGA
TGAGGAATGAGCCGAGATGCGGAGGGCGCAGATGTCCCACTGCACAGCTGGAATGAATGGAGTTCATCCCC
TCCACCTGAATGCCTGCTGTGGTCTGATCTTAAGGGTCTATATATTTGCACCTCCTCATTCAACACAGGGC
TGGAGGTTCTACAACAGGAAATCAGGCCTACAGCATCCTGTGTATCTTGCAGTTGGGATTTTTAAACATAC
TATAAAGTCTGTGTTGGTATAGTACCCTTCATAAGGAAAAATGAAGTAATGCCTATAAGTAGCAGGCCTTT
GTGCCTCAGTGTGAAGAGAAATCAAGAGATGCTAAAAGCTTTACAATGGAAGTGGCCTCATGGATGAATCC
GGGGTATGAGCCCAGGAGAACGTGCTGCTTTTGGTAACTTATCCCTTTTTCTCTTAAGAAAGCAGGTACTT
TCTTATTAGAAATATGTTAGAATGTGTAAGCAAACGACAGTGCCTTTAGAATTACAATTCTAACTTACATA
TTTTTTGAAAGTAAAATAATTCACAAGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAACAAAAAAAAAAAAGGGCGGCCGCNN
Table3 4902
AGGGAGTCGACCCACGCGTCCGCACGTGCCTCCTGGTCTCAGTATGGCGCTGTCCTGGGTTCTTA
CAGTCCTGAGCCTCCTACCTCTGCTGGAAGCCCAGATCCCATTGTGTGCCAACCTAGTACCGGTGCCCATC
ACCAACGCCACCCTGGACCGGATCACTGGCAAGTGGTTTTATATCGCATCGGCCTTTCGAAACGAGGAGTA
CAATAAGTCGGTTCAGGAGATCCAAGCAACCTTCTTTTACTTTACCCCCAACAAGACAGAGGACACGATCT
TTCTCAGAGAGTACCAGACCCGCCAGAACCAGTGCTTCTATAACTCCAGTTACCTGAATGTCCAGCGGGAG
AATGGGACCGTCTCCAGATACGAGGGAGGCCGAGAACATGTTGCTCACCTGCTGTTCCTTAGGGACACCAA
GACCTTGATGTTTGGTTCCTACCTGGACGATGAGAAGAACTGGGGGCTGTCTTTCTATGCTGACAAGCCAG
AGACGACCAAGGAGCAACTGGGAGAGTTCTACGAAGCTCTCGACTGCTTGTGCATTCCCAGGTCAGATGTC
ATGTACACCGACTGGAAAAAGGATAAGTGTGAGCCACTGGAGAAGCAGCACGAGAAGGAGAGGAAACAGGA
GGAGGGGGAATCCTAGCAGGACACAgtcCTTGGATCAGGACAGAGACTTGGGGGCCATCCTGCCCCTCCAA
CCCGACATGTGTACCTCAGCTTTTtccctcaCTTGCATcaaataAAGcttttgTGtttggaacagc
Table3 4904
NNACTGCGAAAGGAGCAGGGTTGCGGAGCTAGGGCTCCAGCCTGCGGCCGCGCATTCTTGCGTCT
GGCCAGCCGCGAGCTCTAAGGGTCGGCCCCGCCCGGTCCGCCCCCGCGGCTCCCTGCCAGGCTCTCGCGGG
CGCGCTCGGGGTGGGGCCTCGCGGCTGGCGGAGATGCGGCCGGGGCTGCGCGGTGGTGATGCGAGCCTGCT
GGGCGGCGCGCCGGGGCAGCCGGAGCCGCGCGCCGCGGCGCTGTAATCGGACACCAAGAGCGCTCGCCCCC
GGCCTCCGGCCACTTTCCATTCACTCCGAGGTGCTTGATTGAGCGACGCGGAGAAGAGCTCCGGGTGCCGC
GGCACTGCAGCGCTGAGATTCCTTTACAAAGAAACTCAGAGGACCGGGAAGAAAGAATTTCACCTTTGCGA
CGTGCTAGAAAATAAGGTCGTCTGGGAAAAGGACTGGAGACACAAGCGCATCCAACCCCGGTAGCAAACTG
ATGACTTTTCCGTGCTGATTTCTTTCAACCTCGGTATTTTCCCTTGGATATTAACTTGCATATCTGAAGAA
ATGGCATTCCGGACAATTTGCGTGTTGGTTGGAGTATTTATTTGTTCTATCTGTGTGAAAGGATCTTCCCA
GCCCCAAGCAAGAGTTTATTTAACATTTGATGAACTTCGAGAAACCAAGACCTCTGAATACTTCAGCCTTT
CCCACCATCCTTTAGACTACAGGATTTTATTAATGGATGAAGATCAGGACCGGATATATGTGGGAAGCAAA
GATCACATTCTTTCCCTGAATATTAACAATATAAGTCAAGAAGCTTTGAGTGTTTTCTGGCCAGCATCTAC
AATCAAAGTTGAAGAATGCAAAATGGCTGGCAAAGATCCCACACACGGCTGTGGGAACTTTGTCCGTGTAA
TTCAGACTTTCAATCGCACACATTTGTATGTCTGTGGGAGTGGCGCTTTCAGTCCTGTCTGTACTTACTTG
AACAGAGGGAGGAGATCAGAGGACCAAGTTTTCATGATTGACTCCAAGTGTGAATCTGGAAAAGGACGCTG
CTCTTTCAACCCCAACGTGAACACGGTGTCTGTTATGATCAATGAGGAGCTTTTCTCTGGAATGTATATAG
ATTTCATGGGGACAGATGCTGCTATTTTTCGAAGTTTAACCAAGAGGAATGCGGTCAGAACTGATCAACAT
AATTCCAAATGGCTAAGTGAACCTATGTTTGTAGATGCACATGTCATCCCAGATGGTACTGATCCAAATGA
TGCTAAGGTGTACTTCTTCTTCAAAGAAAAACTGACTGACAATAACAGGAGCACGAAACAGATTCATTCCA
TGATTGCTCGAATATGTCCTAATGACACTGGTGGACTGCGTAGCCTTGTCAACAAGTGGACCACTTTCTTA
AAGGCGAGGCTGGTGTGCTCGGTAACAGATGAAGACGGCCCAGAAACACACTTTGATGAATTAGAGGATGT
GTTTCTGCTGGAAACTGATAACCCGAGGACAACACTAGTGTATGGCATTTTTACAACATCAAGCTCAGTTT
TCAAAGGATCAGCCGTGTGTGTGTATCATTTATCTGATATACAGACTGTGTTTAATGGGCCTTTTGCCCAC
AAAGAAGGGCCCAATCATCAGCTGATTTCCTATCAGGGCAGAATTCCATATCCTCGCCCTGGAACTTGTCC
AGGAGGAGCATTTACACCCAATATGCGAACCACCAAGGAGTTCCCAGATGATGTTGTCACTTTTATTCGGA

Table 6
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ACCATCCTCTCATGTACAATTCCATCTACCCAATCCACAAAAGGCCTTTGATTGTTCGTATTGGCACTGAC
TACAAGTATACAAAGATAGCTGTGGATCGAGTGAACGCTGCTGATGGGAGATACCATGTCCTGTTTCTCGG
AACAGATCGGGGTACTGTGCAAAAAGTGGTTGTTCTTCCTACTAACAACTCTGTCAGTGGCGAGCTCATTC
TGGAGGAGCTGGAAGTCTTTAAGAATCATGCTCCTATAACAACAATGAAAATTTCATCTAAAAAGCAACAG
TTGTATGTGAGTTCCAATGAAGGGGTTTCCCAGGTATCTCTGCACCGCTGCCACATCTATGGTACAGCCTG
TGCTGACTGCTGCCTGGCGCGGGACCCTTATTGCGCCTGGGATGGCCATTCCTGTTCCAGATTCTACCCAA
CTGGGAAACGGAGGAGCCGAAGACAAGATGTGAGACATGGAAACCCACTGACTCAATGCAGAGGATTTAAT
CTAAAAGCATACAGAAATGCAGCTGAAATTGTGCAGTATGGAGTAAAAAATAACACCACTTTTCTGGAGTG
TGCCCCCAAGTCTCCGCAGGCATCTATCAAGTGGCTGTTACAGAAAGACAAAGACAGGAGGAAAGAGGTTA
AGCTGAATGAACGAATAATAGCCACTTCACAGGGACTCCTGATCCGCTCTGTTCAGGGTTCTGACCAAGGA
CTTTATCACTGCATTGCTACAGAAAATAGTTTCAAGCAGACCATAGCCAAGATCAACTTCAAAGTTTTAGA
TTCAGAAATGGTGGCTGTTGTGACGGACAAATGGTCCCCGTGGACCTGGGCCAGCTCTGTGAGGGCTTTAC
CCTTCCACCCGAAGGACATCATGGGGGCATTCAGCCACTCAGAAATGCAGATGATTAACCAATACTGCAAA
GACACTCGGCAGCAACATCAGCAGGGAGATGAATCACAGAAAATGAGAGGGGACTATGGCAAGTTAAAGGC
CCTCATCAATAGTCGGAAAAGTAGAAACAGGAGGAATCAGTTGCCAGAGTCATAATATTTTCTTATGTGGG
TCTTATGCTTCCATTAACAAATGCTCTGTCTTCAATGATCAAATTTTGAGCAAAGAAACTTGTGCTTTACC
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CTTGTATGATAGTGACTAGCACTAGACATGTCATGGTCCTCATGGTGCATATAAATATATTTAACTTAACC
CAGATTTTATTTATATCTTTATTCACCTTTTCTTCAAAATCGATATGGTGGCTGCAAAACTAGAATTGTTG
CATCCCTCAATTGAATGAGGGCCATATCCCTGTGGTATTCCTTTCCTGCTTTGGGGCTTTAGAATTCTAAT
TGTCAGTGATTTTGTATATGAAAACAAGTTCCAAATCCACAGCTTTTACGTAGTAAAAGTCATAAATGCAT
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TCATAAAGAGAAAATGATGAGTTTTTATGGTTCCAATGAAATATGTTGGGGTTTTTTTAAGATTGTAAAAA
TAATCAGTTACTGGTATCTGTCACTGACCTTTGTTTCCTTATTCAGGAAGATAAAAATCAGTAACCTACCC
CATGAAGATATTTGGTGGGAGTTATATCAGTGAAGCAGTTTGGTTTATATTCTTATGTTATCACCTTCCAA
ACAAAAGCACTTACTTTTTTTGGAAGTTATTTAATTTATTTTAGACTCAAAGAATATAATCTTGCACTACT
CAGTTATTACTGTTTGTTCTCTTATTCCCTAGTCTGTGTGGCAAATTAAACAATATAAGAAGGAAAAATTT
GAAGTATTAGACTTCTAAATAAGGGGTGAAATCATCAGAAAGAAAAATCAAAGTAGAAACTACTAATTTTT
TAAGAGGAATTTATAACAAATATGGCTAGTTTTCAACTTCAGTACTCAAATTCAATGATTCTTCCTTTTAT
TAAAACCAGTCTCAGATATCATACTGATTTTTAAGTCAACACTATATATTTTATGATCTTTTCAGTGTGAT
GGCAAGGTGCTTGTTATGTCTAGAAAGTAAGAAAACAATATGAGGAGACATTCTGTCTTTCAAAAGGTAAT
GGTACATACGTTCACTGGTCTCTAAGTGTAAAAGTAGTAAATTTTGTGATGAATAAAATAATTATCTCCTA
ATTGTATGTTAGAATAATTTTATTAGAATAATTTCATACTGAAATTATTTTCTCCAAATAAAAATTAGATG
GAAAAATGTGAAAAAAATTATTCATGCTCTCATATATATTTTAAAAACACTACTTTTGCTTTTTTATTTAC
CTTTTAAGACATTTTCATGCTTCCAGGTAAAAACAGATATTGTACCATGTACCTAATCCAAATATCATATA
AACATTTTATTTATAGTTAATAATCTATGATGAAGGTAATTAAAGTAGATTATGGCCTTTTTAAGTATTGC
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TTCACTATTTAAACTATGATAAATTATGATAATATATGAGGAGGCCTCGCTATAGCAAAAATAGTTAAAAT
GCTGACATAACACCAAACTTCATTTTTTAAAAAATCTGTTGTTCCAAATGTGTATAATTTTAAAGTAATTT
CTAAAGCAGTTTATTATAATGGTTTGCCTGCTTAAAAGGTATAATTAAACTTCTTTTCTCTTCTACATTGA
CACACAGAAATGTGTCAATGTAAAGCCAAAACCATCTTCTGTGTTTATGGCCAATCTATTCTCAAAGTTAA
AAGTAAAATTGTTTCAGAGTCACAGTTCCCTTTATTTCACATAAGCCCAAACTGATAGACAGTAACGGTGT
TTAGTTTTATACTATATTTGTGCTATTTAATTCTTTCTATTTTCACAATTATTAAATTGTGTACACTTTCA
TTACTTTTAAAAATGTAGAAATTCTTCATGAACATAACTCTGCTGAATGTAAAAGAAAATTTTTTTTCAAA
AATGCTGTTAATGTATACTACTGGTGGTTGATTGGTTTTATTTTATGTAGCTTGACAATTCAGTGACTTAA
TATCTATTCCATTTGTATTGTACATAAAATTTTCTAGAAATACACTTTTTTCCAAAGTGTAAGTTTGTGAA
TAGATTTTAGCATGATGAAACTGTCATAATGGTGAATGTTCAATCTGTGTAAGAAAACAAACTAAATGTAG
TTGTCACACTAAAATTTAATTGGATATTGATGAAATCATTGGCCTGGCAAAATAAAACATGTTGAATTCCC
CAATTAATAAAAAGTAAATAAATAAACTTCAACACTCTTTATGATAACAACACN

Table3 4909

ACGCGGGGACTTTATACCAGTCATGTGGCAGAAATCAGGCCTGCTCTGTGAATCGGCTTTGTGCA
GATCATGAGGCGCACCTATGTTGGCAGCATGCCTGGTCGCATCATCAACGGCTTGAAGACTGTGGGAGTGA
ACAACCCAGTGTTCCTATTAGATGAGGTTGACAAACTGGGAAAAAGTCTACAGGGTGATCCAGCAGCAGCT
CTGCTTGAGGTGTTGGATCCTGAACAAAACCATAACTTCACAGATCATTATCTAAATGTGGCCTTTGACCT
TTCTCAAGTTCTTTTTTATAGCTACTGCCAACACCACTGCTACCATTCCAGCTGCCTTGTTGGACAGAATGG
AGATCATTCAGGTTCCAGGTTATACACAGGAGGAGAAGA

Table3 4910

ATTTGTTTACTTCTGTGTATTTTTTTTTTTTACATAAATGGAATTGCACTATATAGTTCTGTAGC
TCAGTTTTTAAAATTTGGTATTAAAATGTTCTTTCAGTTAGGGCCAAAGGGCATTTAACTTCAAGGTAAGA
CCCATTCCAGGACGGCAGAGATCATGTCTGTCTTGCGTATCCCTGTGTGAATTTTGCCTGACATGTTGCAA
ACACTCCGTATGGAAGTCTTGAGGGTCTTCTGCCCCAGTCAGAAAACCTCTGGGAGAACAGTTATCCCCAG
ACCTCAGACGCTCGACGGATACATGAGAAGCTTTCTTTGATGGATTCGATGTCAGGATCTCCATGTGAACT
TCCACTTAGAGGTGTCATGCTATGGGGCCTCAGCGTCACCACATCGTTTGGACGTCTGACCAGTTTCCTGA
CTTTGAGAGTCTCTTACTTTAAACATGAGGGATCAGCCCTAGAAAGGAAAGGAAAGACACACGCAAGAGTC

Table 6
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TGCCTCTGACTCCACCGGCGGCCACTCTCAGGATGGGTCCTCCAGACGGGATTTAAACAGAACTGTTTTGA
TAGGGACAGTGCTTTCTGTTGCTGTCCTGGGGCAGGGTGATGGCGAGGACACAGGGTGCTTTCAGATCCTC
TGCGTGGACAAGACCAGCTCTGGGCCAGCTTCCAGGAAGCCCCACTGGTAGCGACAGAACATGTCCAATTC
AGAAAGCCCTTCAGGGCTGGTTCAACTGGATATCGTATTTAAATGGATCTATTTATATTTCATATGTGTGA
AAGAAAGGCTTTGTTGGATGAACACATTTACACTTTTCTTTTTTTTTTTTTTTACTGATTAAAATTTTATT
ATTTTGGCCAGGTGTGGTGGCTCACACCTGTAATCTCAGCACTTTGAAAGGCCAAGGTGGGTGGATCACTT
GAACTCAGGAGTTCAAGACGAGCCTGAGCAACGTAGGAAGTCCCATCTCTA
Table3 4911
NNACTATAGGGCGAATAGTAGCTGCACGCGCGGTGGCTGCACCGCGGCAGGCGGCCGAGGCACGC
GGGGGCTGATGCCATTTTCAGCCTCAGCACGCCTGCACCCAGGCGCTCATTAAAACAGCATGTTGCTCCCC
ACTGCCTCGTGTTGTCTGTTGGCGCGCTGTCGGGGTTCGAACCGATACAAGAACCTTCCACCTACCTGGTG
CTTTGGCCTCATCTATAAGCGGCCAGTCATCTGCCCTAAGTGCTGCCGCCGAAGACTGAATGTCCTGGAAA
GTTTGCTGTCACATCTCCATTATGACAAAAGCATTGTGCCGAACAGATGAAAAAATGCATTGTCAACGGAA
TCTTTTATGTTTGTTTGTCTTCCTTTAAGCAACATTGCCTTACTTGTTATAAAAGATAAATAAATATTTGT
TCATTTCTAAACACAGACCAAGAAGAAAAAGAACAAAGT
Table3 4914
TAGGGCCGTTACCTGTTTCCGGCAGTCGACACGCTCTTCGCTTCTCGGGGCTTGTCTCCGTGTCC
TCCGTCTCAGTTGTTTCTCCCTCTCTATCCTCCTCTGTCTCAGTCTCCCCAGCCTTGGGGCCGGTGCCTCT
TCCGGGCTTCGGCGAATGAGACCTGCGGACCTGCCCCCGCGCCCCATGGAAGAATCCCCGGCGTCCAGCTC
TGCCCCGACAGAGACGGAGGAGCCGGGGTCCAGTGCAGAGGTCATGGAAGAAGTGACAACATGCTCCTTCA
ACAGCCCTCTGTTCCGGCAGGAAGATGACAGAGGGATTACCTACCGGATCCCAGCCCTGCTCTACATACCC
CCCACCCACACCTTCCTGGCCTTTGCAGAGAAGCGTTCCACGAGGAGAGATGAGGATGCTCTCCACCTGGT
GCTGAGGCGAGGGTTGAGGATTGGGCAGTTGGTACAGTGGGGGCCCCTGAAGCCACTGATGGAAGCCACAC
TACCGGGGCATCGGACCATGAACCCCTGTCCTGTATGGGAGCAGAAGAGTGGTTGTGTGTTCCTGTTCTTC
ATCTGTGTGCGGGGCCATGTCACAGAGCGTCAACAGATTGTGTCAGGCAGGAATGCTGCCCGCCTTTGCTT
CATCTACAGTCAGGATGCTGGATGTTCATGGAGTGAGGTGAGGGACTTGACTGAGGAGGTCATTGGCTCAG
AGCTGAAGCACTGGGCCACATTTGCTGTGGGCCCAGGTCATGGCATCCAGCTGCAGTCAGGGAGACTGGTC
ATCCCTGCGTATACCTACTACATCCCTTCCTGGTTCTTTTGCTTCCAGCTACCATGTAAAACCAGGCCTCA
TTCTCTGATGATCTACAGTGATGACCTAGGGGTCACATGGCACCATGGTAGACTCATTAGGCCCATGGTTA
CAGTAGAATGTGAAGTGGCAGAGGTGACTGGGAGGGCTGGCCACCCTGTGCTATATTGCAGTGCCCGGACA
CCAAACAGGTGCCGGGCAGAGGCGCTCAGCACTGACCATGGTGAAGGCTTTCAGAGACTGGCCCTGAGTCG
ACAGCTCTGTGAGCCCCCACATGGTTGCCAAGGGAGTGTGGTAAGTTTCCGGCCCCTGGAGATCCCACATA
GGTGCCAGGACTCTAGCAGCAAAGATGCACCCACCATTCAGCAGAGCTCTCCAGGCAGTTCACTGAGGCTG
GAGGAGGAAGCTGGAACACCGTCAGAATCATGGCTCTTGTACTCACACCCAACCAGTAGGAAACAGAGGGT
TGACCTAGGTATCTATCTCAACCAGACCCCCTTGGAGGCTGCCTGCTGGTCCCGCCCCTGGATCTTGCACT
GTGGGCCCTGTGGCTACTCTGATCTGGCTGCTCTGGAGGAGGAGGGCTTGTTTGGGTGTTTGTTTGAATGT
GGGACCAAGCAAGAGTGTGAGCAGATTGCCTTCCGCCTGTTTACACACCGGGAGATCCTGAGTCACCTGCA
GGGGGACTGCACCAGCCCTGGTAGGAACCCAAGCCAATTCAAAAGCAATTAATTGGCTTAGGACCCAATTT
CCATAGATGCAAATGGCAGTTACAGACAGGTTAACAGAAGCTACTGAAGTCTACAGATAATCAAAAAACTT
AATATTCTGTTCCCTACCTTTTTTCACTTTTCCTCCTCCAAAGAGCAAAATGAAAATTTTGCCTTAGCTAC
TGCAGTGGAAAGAGCACTGAACTAGGAGTTGGAAGACAAGGATGTGGTCCTGGCTCTGCACTGGCTTGCTT
TTGGACCTTGGATGTGTCACCTGAACTCTCTGGACCTCAGGTTTCCATCTGTAAAATGAGAGTATTGGTTC
TAAGATTTCTCATCTTCTCATCCCTAGGACAAGCATAGTGCCTGCATGCTTCATGATCAGTAAGTCCTGGC
TGCATAAAGGACTCTGATGTCAAAATGGAAACCAGGGGACTTACCTTTTCACATGACTTACCCCTCATCCG
AGTGTGAGGTTACAAGCAGGTGTCATGGCAGGAAGGAAGACCAGATCTGTATGATTTGTTCCATTTTTAAT
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AAACATAATGGTCACN
Table3 4915
NCCATAGTCCTTAACTATTACACAACTTCAACCAACCTTTCTACAGGGTCTTCCCTCTGTCAGTA
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CATGGGCCTCCACCAACTTCACACACACACACACGCGCTCATCACAGTTGGATACAGGCACACAAAGATGG
GCTTGGTACTTGTCTAAGGCTCTGGCGGCTCCGCGAATCTCATGTGCTGGGCCATCATGGACGAGAGTGGT
CTTCAGCACCGCTTGTAAAGCAGTGTTAACAACCATCACACCGCCAGCAGCAATGCCCTCCTCAGCCACCA
AGGCAGGCCACAGGTAACGAGTGATGCCCCATCTTGAACGCACCCAAGCCTCCGCCTCCATAACTCAACAG
CAGCAGGGAAAAAGCATGGTCTCAATTCTCTTGACAAATCTCAGAGGTATTATACTCTTATTCCAACTACA
TCTCCCTCCCCAAAGAAGCGCACACAAAACAATTTTAAAACTTATGTTTTCTACGGAAACCTTACCTCAAA
GTGATGCACAAAACTGAAATTTATATGGCTGCTTAAATGTCACATCCTGGCTCCTAGCAGGGAAACAAAAC
GCTCTGAAGAGAGGATGGTTCCTGCTTGAGGGGGAAAAAGTCTGTCTTTCTTAGCAGTGCTCCTTCCCACA
ATAAACAAATGATCCAGGAANNNNNN
Table3 4916
NNCGAACNCCCATAGGTAGGGACGCGCGCCATTGTGTTGGTACCCGGGAATTCGGCCATTATGGC
CGGGGGCAGCAGGCGTGCAGTTTCCCGGCTCTCCGCGCGGCCGGGGAAGGTCAGCGCCGTAATGGCGTTCT
TGGCGTCGGGACCCTACCTGACCCATCAGCAAAAGGTGTTGCGGCTTTATAAGCGGGCGCTACGCCACCTC
GAGTCGTGGTGCGTCCAGAGAGACAAATACCGATACTTTGCTTGTTTGATGAGAGCCCGGTTTGAAGAACA

Table 6
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TAAGAATGAAAAGGATATGGCGAAGGCCACCCAGCTGCTGAAGGAGGCCGAGGAAGAATTCTGGTACCGTC
AGCATCCACAGCCATACATCTTCCCTGACTCTCCTGGGGGCACCTCCTATGAGAGATACGATTGCTACAAG
GTCCCAGAATGGTGCTTAGATGACTGGCATCCTTCTGAGAAGGCAATGTATCCTGATTACTTTGCCAAGAG
AGAACAGTGGAAGAAACTGCGGAGGGAAAGCTGGGAACGAGAGGTTAAGCAGCTGCAGGAGGAAACGCCAC
CTGGTGGTCCTTTAACTGAAGCTTTGCCCCCTGCCCGAAAGGAAGGTGATTTGCCCCCACTGTGGTGGTAT
ATTGTGACCAGACCCCGGGAGCGGCCCATGTAGAAAGAGAGAGACCTCATCTTTCATGCTTGCAAGTGAAA
TATGTTACAGAACATGCACTTGCCCTAATAAAAAATCAGTGAAATGGCAAAAAAAAAACAAGACAGAGACC
AACAGGCAGCGACCGCACAACAACACAAACGAGCACCGGAGGGCGCGCTGAAACGGCAGAGACACCGCCAA
ACAATACATATAAGCGGACGCAAAGAAAGAAACAAACCGGCAGAGACAAGGGAAGATACATACTAGAGTAA
GTTACGCGGACGCAGGTCTTTCTTGTGTCTTTCGTTTTTATCTCGAGGTGGCAAAACAAGACGATGAGAGA
AGAACGAAACAGCAGAAGAGAGAGCAGAAAGAAGAAAAAGCAAAAGAGAAGAAGACAAACAACAAGAGAAA
AGCAAAAACAGAGGGAAACGAAGAAGGCAGCAAGAGACAGTGAGGCACGAGAGAGCGACGAAAGGGAGAAG
AAAGAAGCAGGAAAGCGAGAAGGGGGCAGAGAAGAGAGAGGAGCAGAGCAGGAGACGGAACGCGAGAAGGA
AGCGAGCCGACAGCAGAAGACAGAAAGAGGAGGACGCGAGAAAGCGAAGAGCACGAGAGAGGCAGAGAAAA
GAAAGCAGCCGAGAGAGAGAAGACGAGAGACAGGAAGGAAGAGAGGGGGAAGAAGGGGAAGACAACAAGGG
GAGAGCGAGAGAAGAGCAAGGAAAGAAAGAGAAGCAGAGGACGGCCGGAGAGGCGAGGAGGGGCGGGAGAG
AGGGGAGGGAGAGAAGAGCGGAGCAGAAGGAGCGAGACGGGGAGGGGGGGAGCGGAAGAGAGAGGGAGGAC
GAAAGCGAAGCCGAAGGAGACGACGAGAGAAGGGAGAGAGAGGGGCGAGAGAGAGAAGAGGACAGGGATGA
ACGGAGCGAGGAAGAGCGGCGAGGAGAGCAAAGGAGGAGACGGGGGGTCGAGGAGGAGAGAGGGAGGGCGG
AGGCGAAGGCGGAGGAGGGAGCGAAAGGAGAGGGAGAGGGAAGAGGCACGAGAGAAGCGAAGAGAGCGCAG
GACGAGAAGAACAGCGAACAAAGAAGCAACGAGCGCAGGAGAGCGAGGCGCAGAGCAAGAGAAAACAGAGG
GAGGCAGCGAACAGAAGAAGACACGAGGGGAGGAAGAGAGCGAAGGAGGTAGGCGGAGGACGAGCGAGCGA
CGCAGGGGAGAGCAGAAGAAAGGAAAGCGGAAGAATGAACGCAGAGAGAGAAAGGAGAGAGCCGGAGAGCA
GACGAGAGGGCGCAAGAAGGACGGAGAAAGGCAGAAGGAGAGAGAAGAN
Table3 4917
NNGGAAACAGGACCTGAAGACCCTTCCAGCATGCCAGAGGAAAGTTCCCCCAGGCGGACGCCGCA
GAGCATTCCTGGTGTTCCCAGGACACCAGACTGCAATAACTGGAGGCGCCTCCTTCCTGCCCACCCTTCGC
TCACGCCCCAGCGCCCTCTCTGACCAGCCTCCGCTTGGTGGCCTTCCTCTGGCCGTGTGATGAGGTGGTTG
CTGTCTCCATAGGGGCCAGCTCCCCAGGGCAGACTCACGTGCCCCTCTGAGGCTCAGAAAATGCCCAGCCC
TTCCTCAAAATGAGCAGCCACCCATGACTTTGTGGGCTCCTTGTTAGCCTGAGACCAGGCTTTGCAGAGGG
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AAGCCAGCAGCCCCCGAGAGGGGACTTGGCTGGGCCTTTCCTATGGGCAAGGCCCAGTGCTCTTCCTGCCC
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CACAGCAGCAGGCCAGGCCTTCCTGTCCAGGTCTGCATGGAGCACTCGGTGACCCAGAGCAGGGACTGGAG
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CCAACATGAAGTCTAGGCCTCAGGGGCTCCCGCCCTTCTTCCTCCAGCAGCGGGAACTGCCACTGCTCTCC
CAGGCCCTGTTCTGGAGGCTAACCTTGGTTCCTGGAGAGTGTGCCCCTCCACCCTCCCTCCAGCAGCCCTG
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CCTCACCCCACAAGGGGCAGGTGGGGGCTTGGTTGCTGACCCGGCCCAAGTCCCCACAGAGCACCTTCTGT
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GTGAAGCCTTGCGTTGAGTTCCTTCTAACTACACCAGCGCAGGGGCGTGGAGGAACTGAGGTTTGGAAGGA
ATGCCAGGTCTCGCACAGCTTGGCTCGAGAAGGTGAGAGGAAGGCAAGGCCAGGGAGGGGACCAGAGAGGC
TGGCACACAAGCCAAGCACCACGTCAACACAGCCCAGTCCATACAGAAATGGGTTTCATGCCTGAAAAGCT
TTTACAGAAAGATGCGCCTGTAGCCAGTGAAAGCGGAAACTAAGGCTCAGTCCTGCGAGTGAGGGGTAAGA
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CCGGCCGGGCCCCCCTCTTTCCCGGGCACGGGCGAACCCCGGGGGTCTGGCCCNNNNNNNNNNNNNNNN
Table3 4918
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNCAGAGGGCATGGCGACGGGTCGGGACACCAGTGA

Table 6
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AACTTGAACCGGGAAGCGGGAGGACGTAGAGCAGAGAAGAGAACATTTTTAAAAGGAAGGGATTAAAGAGG
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CCAGACACCAACGTGTGAGACGGATGGACATCACGAAGGGAAGGGGAGATTAGCCCACTGCTGACAGAACG
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GAAAGATTACTGATGGCTCATGGTTGAGAGAGCGACN
Table3 4922
GCGTCCGGGCCGGGCCGGGCCCCTAGTGCGGTGTTGCGGGACGGGGCCGAGGCCCGGTCGGTTGG
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TGATCCATTTCTTATACATCCTCCTCACCTTTCTCCCCATCATCCTCCTCATTTGCCACCACCAGGCCAGT
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Table3 4923
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AAGCCCCAGCTCTGCCAGCAGGCCCCCATCTTCTCCTGCTCTGATGTGGGGATTGTGCGGTTGGCTTGTTT
CCTGGCTTCTCTCTTCTTCCTGGCATCTCTCTTCATGTTGCTAGGCTCTTGGTGAATTTGTCCTGCCTCTG
TTCCTCCACAGCTCCGGCTCCTGTATGAATGCAATCCCGTGGCCTACATCATTGAGCAGGCAGGAGGCTTG
GCGACCACGGGGACCCAGCCTGTACTGGACGTGAAGCCCGAGGCAATTCACCAGCGAGTCCCCCTCATTCT
GGGGTCACCAGAGGATGTGCAGGAATATCTCACCTGTGTGCAGAAAAATCAGGCAGGCAGCTAGCGAGTTT
GACCCCACATGCCCTCTTCTGTTTGTCTTGCACCTTGTCTAAGGACCCTCTATCTATCCCAAACTATCTTC
TTCTTCCTACCCCTCCAGCCGCGCTGCAATGTCCACCGCCACCACCAACCGCAGCGAGGCGAGCCGCGCCA
CGGTGCCGCGGCTCAAGCCTCCAGCATACGACCTGTGACTCCTTTTCCTGGTCTTCTAAGCCGGGCACTGA
GCAGCTCAATAGAAACACAN
Table3 4924
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TCTCCTCTTTGTCTTTTTTCTCTTTTCCTCTCCTTCCTGCCTTCTTCTGCTGGCCTCCTTTTCTCTTTCTTT
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GTTTTGCATCCTCACTGAATCTGACTGGCTTTTATTTTCCTCTCCAAAATCAGGTTTTTGTTCTCAACATC
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Table3 4927
CACGCGTCCGGGCTGAACCAGCGAGAGGACGGCCCGGCTGGCTCTCAGGCCTCTCCCGGCGCTCC
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CCAGGTGATGGCGCAGATCGAGCTGTGGACCCATCCAGACAAGTACCCCGTTGGGGTTCATTTCCTGCCCA
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AATTCCCTTCAAAATTTCCAAAAAAAAACCNNNNNNN
Table3 4928
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Table3 4929
TCCGGTTTTATAATATCTTAAGGTGTATATTTTATTTTTTTTATTGGCTTAGTTGTTTTTTGTTT

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TGTTTTGTTTGAGATGGAGTTTCACTGTTGCCCAGGCTGGGGTGCAATGGTGTGATCTTGGCTCACTGCAG
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TAATGCACTGTCCAAGTGAAATGTCCTAGTTGTCATTGTGATTAAGGGGCCAACTTTCCAGGCAGCTAGCA
GAGATACTATTCTCTTCCTCTCCCAGCAAATTTGTATTCCTTCGCCCACGCATTCCTGCTATACTAGATGG
CAGCCAGTGATGGAACTATAAAGATGTCTGTGGTCATATGTTGAATGTGGCAGCTTGAAGATGTACTGCCA
CGGGTGATCTAGGGCAGGCTGTCTTCCAGTCCATGTGTTCTCGGTCGCCGTAGACAGCGCTCTGGCTACCA
CCGTGAGGCTACTTGAACTGTCAGGGGCATCTGCCTAAACCAGAATCTTTTGTCAGAAACCTTAACCCAAC
AAAACAAATCTTGAGTAGCTCATGCCCGGCTCTTAGGAATTTTGTCTGTTTAAAAAAAACGGACAATTCGG
CGGACACGCTTAGGCAGTTCTGTCTTGCCCCTTGTAAGGAATCGGCCCAGGGGAATCACGCATATCNN
Table3 4930
NNCCGGCACCGGGCCCCCCCCTCGGAAATACCGCCAGAGGCGGCGTGGCGCGGGCGGTGAGGACG
GACAGTCACCGACTTAGTCCAGTTCCCTGTGATCTCAAAACAATTGTTGCAGCAGGCTCCTGGCAGTCTCA
AGCAGTTCATCTTCTTGGTGTACTGGTTTCCTATTGTGATTTTATCATGGAAAATCAATTGGCTAAATCAA
CTGAAGAACGAACATTTCAGTACCAGGATTCTCTTCCATCACTGCCTGTTCCTTCACTTGAAGAATCATTA
AAAAAATACCTTGAATCAGTGAAACCATTTGCAAATCAAGAAGAATATAAGAAAACTGAAGAAATAGTTCA
AAAATTTCAAAGTGGGATTGGAGAAAAATTGCACCAGAAATTGCTTGAAAGAGCAAAAGGAAAAAGAAATT
GGCTGGAAGAGTGGTGGCTGAATGTTGCCTATCTGGATGTTCGTATACCATCACAATTGAATGTCAACTTT
GCGGGTCCTGCAGCTCATTTTGAACACTACTGGCCTCCAAAGGAAGGGACTCAATTAGAAAGAGGAAGTAT
AACTCTTTGGCATAACTTGAACTACTGGCAGCTATTAAGAAAAGAAAAAGTGCCTGTTCATAAAGTTGGAA
ATACTCCTCTAGATATGAATCAATTCCGAATGCTATTTTCTACCTGCAAGGTTCCAGGAATTACTAGAGAC
TCCATTATGAATTATTTTAGGACTGAGAGTGAAGGGCGTTCCCCAAACCACATTGTAGTGCTGTGTCGAGG
CCGAGCTTTTGTCTTTGATGTAATACATGAAGGATGTTTGGTCACCCCGCCAGAGCTTCTCAGACAACTGA
CATATATCCACAAGAAGTGCCATAGTGAACCTGATGGACCTGGGATTGCAGCATTAACTAGTGAGGAGCGA
ACTCGATGGGCTAAGGCACGAGAATATCTGATTGGTCTTGATCCAGAGAACTTGGCTTTGTTAGAAAAAAT
TCAGAGTAGTTTACTGGTATATTCCATGGAGGATAGCAGTCCACATGTAACACCAGAGGATTATTCTGAGA
TTATTGCAGCCATCCTTATTGGAGATCCAACAGTACGCTGGGGTGACAAATCCTATAACTTGATTTCCTTT
TCTAATGGAGTATTTGGCTGTAATTGTGATCATGCTCCTTTTGATGCAATGATTATGGTGAACATCAGTTA
TTATGTGGATGAGAAAATTTTTCAGAATGAAGGAAGATGGAAGGGTTCAGAGAAGGTACGAGATATACCAC
TTCCAGAAGAGCTCATTTTCATTGTGGATGAGAAAGTTTTAAATGACATCAACCAAGCTAAAGCCCAGTAT
CTCAGGGAGGCATCTGATCTACAGATTGCGGCTTATGCCTTTACATCTTTTGGCAAAAAGCTAACCAAGAA
CAAGATGCTTCACCCGGATACGTTTATTCAGCTTGCACTTCAGCTGGCCTATTACAGACTTCATGGACACC
CTGGTTGTTGCTATGAAACAGCTATGACAAGACATTTTTATCATGGCCGTACAGAGACTATGCGATCATGC
ACAGTTGAAGCAGTGAGGTGGTGCCAGTCCATGCAGGATCCTTCTGTCAATCTTCGTGAGCGGCAGCAAAA
GATGTTACAAGCTTTTGCAAAGCATAATAAAATGATGAAAGATTGTTCAGCTGGAAAAGGATTTGATCGTC
ACCTTTTAGGTCTCTTACTCATAGCAAAAGAGGAAGGTCTTCCTGTTCCAGAACTCTTTACGGACCCACTT
TTTTCCAAAAGCGGAGGAGGTGGAAATTTTGTTCTCTCAACAAGTCTGGTTGGCTATTTACGAGTCCAGGG
AGTGGTAGTTCCCATGGTACACAATGGTTATGGATTTTTCTACCATATCAGAGATGACAGGTTTGTTGTGG
CCTGTTCAGCCTGGAAATCCTGTCCCGAGACTGATGCGGAAAAGCTAGTTCAGCTGACTTTTTGTGCTTTT
CATGATATGATACAGCTGATGAACTCTACTCATCTTTAGAGATGAATCATCTATTAAGCACTTACCAAAAC
ATATCATTAAACTGAGTGCTGGGAGTGAGTTGGTAATATGAGATGGGAAGGAATGTTGACTTGCTAACATT
CCTTTAACAAGTTAAGAAAACTTGTTAAATGTAGAAATTAGTAGAATCATGCTCTCTAAATTTATTCTGCC
ATAGAAGGTAGAAATATTTTTAAGCTCCTCTGATGCAGCAGCAATGCAAATTATGACATAGTGAATATAGA
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AAGTATTTTTGTTGGTACTTACATGGGTTATAAATCCTCTCTCTGGACATCAATGTAGAGTCCATCTTTCA
AGCACTTTAATTTTTTTAGCTGCCAAAGGGTATGAATTACATTATTGTATGCTAATTTCCCTGAAATCAAT
GCCTTCTATGTTCACCACAGGGATACAAGCCTGTTATGTTTGATGGGAAAGACCACTACAATCTAATGGTG

Table 6
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ATCTAAAATAACTTTTTTGGGCTGGGTGCAGTGGCTCATGCCTATAATCTTAGCACTTTGGGAGGCCAAGG
TAGGAGGATTGCTTGAAGCTAGGAGTTTGAGACCAGCCTGGGCAACAGGGTAAGGTCCTGTCTCTACAAGA
TCAAAAACTTAGCCGGGTATGGTGGTGCATGTGTGCCTGTAGTCCAAGCTACTTGAAGGCTGAGACAGGAG
GATCGGTTGAGCCCAGGAGGTTGTGGCTGCAGTGAGCTGTGATGTGCCCTTATGCTATAGCCTGGGCAAGA
GCGTGAGACCCTGTCTCAAAGAAGAAAAAAAGAGAAAAATAACTCTTTTGAACAAACAGACAAATTAGCTA
GTAGTATGGAGATGTATACCCTCTATTACACACATAAAACCGTAACAAAATTCATTGTGGTGTATTATAAT
TAGTTTTGTGAATAGAAAAATAAAGCACTTATGTTTAAATTTGTTACAGTGACTTTTAAAGGATTAATGTT
GAATCACATTGTCAGAATTTTTTCCTCCTCGCTGTTCAATTTTGTAGTTTTTACTCTCAAAAAATGAAATT
CTCAAAATTATATAGCTTTTTGTTTTGTTTGAATAAATGATTCATTCCTGTNNNNNNNNNNNNNNNNNNN
NNNNNNNNN
Table3 4931
ccaCGCGTCCGCGTGCCTCCTGGTCTAGTATGGCGCTGTCCTGGGTTCTTACAGTCCTGAGCCTC
CTACCTCTGCTGGAAGCCCAGATCCCATTGTGTGCCAACCTAGTACCGGTGCCCATCACCAACGCCACCCT
GGACCGGATCACTGGCAAGTGGTTTTATATCGCATCGGCCTTTCGAAACGAGGAGTACAATAAGTCGGTTC
AGGAGATCCAAGCAACCTTCTTTTACTTCACCCCCAACAAGACAGAGGACACGATCTTTCTCAGAGAGTAC
CAGACCCGACAGGACCAGTGCATCTATAACACCACCTACCTGAATGTCCAGCGGGAAAATGGGACCATCTC
CAGATACGTGGGAGGCCAAGAGCATTTCGCTCACTTGCTGATCCTCAGGGACACCAAGACCTACATGCTTG
CTTTTGACGTGAACGATGAGAAGAACTGGGGGCTGTCTGTCTATGCTGACAAGCCAGAGACGACCAAGGAG
CAACTGGGAGAGTTCTACGAAGCTCTCGTGCTGCTTCTCCAGTGGCTCACActtatccctTTTTCCAATCG
GTGTACACGACATCTGACTTGGGAATGCGcAAgcAGtcgaaaGCTTCGTaGAActctCCCAGTTGCTCCTT
GGTCGTCTCTGGCTTGTCAGCATAGACAGACAGCCCCCAGTTCTTCTCATCGTTCACGTCAAAAGCAAGCA
TGTAGGTCTTGGTGTCCCTGAGGATCAGCAAGTGAGCGAAATGCTCTTGGCCTCCCACGTATCTGGAGATG
GTCCCATTTTCCCGCTGGACATTCAGGTAGGTGGTGTTATAGCGGACGCGTGGGTCGACTCCCTat
Table3 4932
NNAACCTTTCAAACTTCCCCGAAATGCACTTGTGGTCAGCAGCTAGCGGTCTTTTGTTTGGGGAA
AAAAGGAGTAGCGGCTAAGAGCGGAACCCTGACTTCTCAAAAAGCACTGCACAGAGGAGGAGGCAGCAGAA
CCCCATGGGCTGTTTTGGGAGAGGGACTGAGTACAGTGCAACACTACTCAAACTGTGGTTCACAAAGCAGC
AACATTGGCATCACCCAGGTAGAAAGGCTCATTCTTGAGCCTACCGAAGGCCTTCTGATTTAGCATTTTTG
CAGATAGGACCCAGAAATCTGCATTTCAACAAAATCCCAAGTTCAGCTTCTTAGGACTCTGCACTTCCCCA
GAAGGAAGAATTAAAAATGAATATGTTCAAGGAAGCAGTGACCTTCAAGGACGTGGCTGTGGCCTTCACGG
AGGAGGAATTGGGGCTGCTGGGCCCTGCCCAGAGGAAGCTGTACCGAGATGTGATGGTGGAGAACTTTAGG
AACCTGCTGTCAGTGGGGCATCCACCCTTCAAACAAGATGTATCACCTATAGAAAGAAATGAGCAGCTTTG
GATAATGACGACAGCAACCCGAAGACAGGGAAATTTAGGAGAGAAAAATCAAAGTAAGTTAATTACTGTTC
AAGACAGAGAATCAGAAGAAGAGCTTTCTTGTTGGCAAATCTGGCAACAAATTGCAAATGACTTAACCAGG
TGTCAAGACTCCATGATCAATAATTCTCAGTGTCACAAACAAGGTGATTTCCCTTACCAGGTAGGGACAGA
ACTGTCTATTCAAATTTCTGAAGATGAGAACTATATAGTAAATAAAGCAGATGGTCCCAATAATACTGGGA
ATCCAGAGTTTCCTATCTTGAGAACCCAGGATTCTTGGAGGAAAACATTCCTGACTGAGTCACAGAGATTG
AACAGAGATCAGCAAATTTCCATAAAAAATAAATTATGTCAATGTAAGAAGGGTGTTGATCCCATCGGTTG
GATTTCACATCATGATGGTCATAGAGTACACAAAAGTGAAAAATCTTATAGACCCAATGATTATGAAAAAG
ACAACATGAAGATTTTGACATTTGATCACAATAGCATGATTCACACAGGACAGAAATCGTACCAGTGTAAT
GAGTGTAAAAAACCCTTCAGTGATCTCTCCAGCTTTGATCTTCATCAGCAGTTACAATCAGGAGAGAAGTC
TCTTACATGTGTTGAGCGTGGAAAAGGCTTCTGTTACAGCCCAGTTCTTCCTGTTCATCAAGAAGTACATG
TGGGAGAAAAACTTAAGTGTGATGAGTGTGGTAAGGAATTCAGTCAGGGCGCTCATCTACAGACCCATCAG
AAAGTCCACGTGATAGAGAAACCATACAAATGTAAGCAATGTGGGAAAGGTTTCAGTCGTAGATCAGCACT
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AGGCCTCTCATCTTCAGGACCATCAGAGACTCCACACTGGGGAGAAGCCATTCAAATGTGATGCATGTGGT
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TGAGGAGTGTGGTAAGGGCTTCATTTGTAGCTCAAATCTTTACATTCATCAGAGAGTCCACACAGGAGAAA
AACCCTATAAATGTGAGGAATGTGGTAAAGGCTTTAGTCGGCCTTCAAGTCTTCAGGCCCATCAGGGAGTT
CACACTGGAGAGAAGTCATACATATGTACTGTATGTGGGAAAGGCTTTACTCTGAGTTCAAATCTTCAAGC
CCATCAGAGAGTCCACACTGGAGAGAAGCCATACAAATGCAATGAGTGTGGGAAGAGCTTCAGGAGGAATT
CCCATTATCAAGTTCATCTAGTGGTCCACACAGGAGAGAAACCCTATAAATGTGAGATATGTGGGAAGGGC
TTCAGTCAAAGTTCGTATCTTCAAATCCATCAGAAGGCCCACAGTATAGAGAAACCTTTTAAGTGTGAGGA
GTGTGGGCAGGGTTTCAATCAGAGCTCACGACTTCAGATTCACCAGCTGATCCATACGGGTGAGAAACCAT
ACAAATGTGAAGAGTGTGGCAAGGGATTTAGTCGTAGAGCAGATCTTAAAATTCACTGTAGGATCCACACA
GGAGAGAAACCATATAATTGTGAGGAGTGTGGGAAGGTCTTCAGGCAGGCCTCAAATCTTTTGGCCCATCA
GAGAGTCCACAGTGGAGAAAAACCATTCAAATGTGAAGAATGTGGGAAGAGTTTCGGTCGGAGTGCACATC
TTCAAGCCCATCAAAAAGTCCACACTGGAGATAAGCCATACAAATGTGATGAGTGTGGGAAGGGCTTCAAG
TGGAGCTTGAACCTTGACATGCATCAGAGGGTGCACACAGGAGAAAAACCATATAAATGTGGGGAGTGTGG
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AAACCTTATAAATGTGAGATATGTGGTAAGAGCTTCAGTTGGCGATCAAATCTTACAGTTCATCACAGAAT
CCATGTTGGTGATAAATCCTATAAAAGTAATAGGGGTGGTAAGAACATCAGAGAATCCACACAGGAAAAAA
AATCTATAAAATGATTCTTTGTGAAGACTCGTGTCATTTGAATTCTTCCAGTTATCAAGTCTCAAAGTCAG

Table 6
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TGTTTCAGCCGTAGCTCCTCATGTCCCAGTGGTCCAAAGACAACAAAACAATCTTTATGATTAGCATAGCA
AGGGCTTCTTTAGTCAGAACCTTGACCTTTATAAAATGTTACTTAGAAGAGGGGTGTTAAGAGTGAAATTT
TTCTCAGGCCTTTTATAAAAGTATCATGGTGGACATGCCAAAATTAAGTGTCCACTAGAATGTTAACTCCA
TAAAGACAGAAACTTTGTTCACTACTGAATCTACATAATCTTACCATTGCATATACTTCACAGGTGCTCAA
TATTTGTTATAGGTCCTTTTTGAAAATTATGTGTGAGATCACCTGGCAGAATATCATGAAGTTTGTTAACC
GGAAACTGGAAAGGTAGCCCTTTAATAAGAATTAAGTCGGGAGGACCCTTGACATGTCGAAAAAGCCCTCA
ATAATGTAATCCCCAGTGGTGCATTTGGGATTGTCTGGTGATTAGATACTGTCCTCTTTAGACGCAAATTC
AAGTGGGGCCTTCTCCCCAAGGTTTCATTTACGGGGTATCACGCGCAAGAGATATTTTGGAATATTTATTC
GCGCATATGCAGACACACAACTTCAACACAAGAGGGGAGGAGCGAAACCACAAGAAAAGAAGGAACACAAA
CAAGGAGAAAAACAAGAGGAAGACGATCACAAAGAAAAGAACNNNN
Table3 4933
NCTCATTCTAATAATGAGAAGGCCCTGGCTGATCTTTCTGGGATTTAGAGGGAAAGGATTTTTTT
TTTTTTTAAGATGGAGTTTTGCTCTTGTCACCCAGGCTGGAGTGCGATGGCGCGATCTCGGCTCACTACAA
CCTCTGCCTCCCAGGATCAAGCAAATTCTCCTGCCTCAGCCTCCTGAGTAGCTGGGATTACAGGTATGTGC
TACCACCCCCAGCTAATTTTTATGTTTTTAGTAGAGACAGGGTTTCGCCATGTTGGCCAGGCTGGTCTCAA
ACTCCTGACCTTAAGTGATCCACCCTCCTTGGCCTCCCAAAGTGTTGGGATTACAGGCATGAGCCACCATG
CCCGGCCTGCTTTCTCAGTTTGGATCTTTAAGCTCCAACCCCAGAAGCATGAAAGTCACACATGTTAAAAA
ATACTGTTTAATTTTCTAGTAATGTCCTTTAAAAAAAGCTGATACATTTGAGATTTTTTTTTAATCTTCTC
AGATCTGCCTCTGAAACCACTGCAAAGCAGCTATGCAACTTAATTTTTCAGTACTCATATATGTATTAATG
GAGGAAAAGCCACTCTGAGGAAGCACGCCAAGGACATGTCCCCACGTGGGCACACCCCATCAGCACTGGGT
ACCCAGGAATGTGAATGCAACCCTGGCATGTTCACAGCTAACATTATGCCCTTGCATTCTTTTTTGCTGTG
AGGAACAATATGATCACACAGCACTGAAAACGGTAGACACAAAGGGCCTGCCTTTTTCTTTCTCATTTTTG
CCTTTCCAGCTTGCACTTCTATTCCTACTCCAGTGACCCATTTATTCCCCAGTTACCCATAATGAAAAATA
GTTCTGTCATTTACTGAGCCTTACATTCAAATGCAAATGACGGACTTTATAAAACTGCTGCCAATAAGGTA
CAATGTTCATTGATACAATACGTTTCAACTGCAGGTATGTTGAGCACACAAGCAATCACCGTATTGTATTA
GAGACATTTTATTGAAAATGCGAAAATAGGAAATGTATTATAGCCTAAAATAAATTACATAACATATACAG
CATATATTTATATCTTTAAAATATTTTTTTGTTTAGGTTCTTTCAGTCTAGGAATTCTGACTAAATCAATT
TAGTGAACCGTGTCTATAATTTTTTTAAAGGAAAAAACCTGCTTTCCAAAACTTAGAAAAATATACTGCAC
TGCATGGATTTCGAATGCGTTATTTCAGGGAGGACCACATAGTGACTCTGGTATCGTTATAAAATGTCTTG
CTTTATCGTATGGTGTGGGAGGGAAGTACCGTAGTACATTCTCAATTACCTGTACCGCAGAGTTATGACTA
AGGATAGCAGAACCAGGTAATATATCTACTTCAAAAGTTACCCTACAGCAACCTGGCATTAGAATGCTGGA
TGAGACTTAAAGCTTCAGTTCACTGTAAAAACTAAAATGCAAAGTTAGGATGCTCCATGTGACTCGCTCTA
ATGCGACCTTCAGGAAAGGCGAGGGAAAAGCAAGCCTTCAGGAAAAGTCATGCGGCAGGGTCTGGAATCTG
GAGATGCGCTTTTGTGACAATTTAAAAAAGTTAGCTCATGTATATACACGGTGGGGGTGAGAACTGACAGC
TTGCTCAGATCTAGGAGAACGCAGAGTGAAATGCTATCATTCAACCATGTCAGTTTGCTGCCCCCGGGGCA
TTTCAAACCAAACCTTTCTACGGGAGATTCTGTCCATCTGTCAGCCTGCTGTGGTCACAGGTCTCCGTTCC
TCAGTGTGAACGGGGACTCCGGGCTGCAGCGTGCCACCCGCCTCCTGCATGCTGGCGATTCGCTCAGCTTC
GCGTGCCGGTGCGCTGAGCTCCGTTGTGTTTGTCCTTCCTGTGGGCTTCTGTGTCCGGGCGTTGTTGCCGC
ATGTGTGTCGTAGCGGGGCCGCTCTTGTCGCTGCTCTCTAGTCGCTTGGTGCCTTCGTGTCGCGGCGTCGT
TCCGGTCGCCGGGCCGCCTGCGCACGTCGTTCCCTGGGTGTCCTCGCGGGTCTTTCCCGGGGTGTGGTTCC
CCTCGTCTCGCCGGTGTTCAGCGGTTTCTTGTGTGGCTCTCGTGAGTCGGGCTTATGAGCTCCGGTGCTGT
CGTGGTTCTGTACATATCCTCGTTGTGGCCAGTCTCTGAGGTCCCCCCCTTCCATGTGTGTGGCATGCCCG
TAGTGTCTAGTAGTTTTTACGCGTGTCCTGTGTTTCAAGCCCTGCGTGTCCTTTCCGGTTTTCTGCTCTAG
CTTTTAGGGTCGTTGATTTCGTTGTGGGAGGAGCGCTAGTAGATGTATTGCCCGTGGTGCTCATGCCGTGG
ACCTGTCGTGTGCCCTGCAGGTGCCCATTGCGTCCCGGTGCCGGTATTCATTCTCCTCTCTCATTTGCCGC
GAGGTCCTGTCTACCTCCTCTGTCGGAGGCATGTCTGTCATGGCAGATTCTTCCCCCTCGGTGTGCCGACT
CATTCTCCATCTGCTTTTGCTGGCTTCCGGTAGACATAGCACGCAGCGGTATGGCGACCATGGTGGATTCT
GCCACAAGCCCGCCAGGAGGGAGCCCACTCCCAGGGTCGTCACCGTGCACCCCCAGGTAGGGTAGGACCAC
GAGGCTGCGATGAGGACGATGATCCGCAGCACAGAGCTGGGGGCAAGGACGAAGGTTTTCTTCAGTGTCAT
CAGCCACCCGGTGAGATGCCGCCCTCACTGTGAGCTGGAATCTGGGAAGAAGGAGAAGATCCGCAAAGTAC
CTAAACAGAGTTCTGCAAAGGCAAAGTCCACTCCGATGATGTCTATCAAGATTTTCTCAGACACGTTGGGT
GTCCAAAACATCACGAAACAGAGCGGCCTGACTGGGTGGTGGGCATGCTGGTCCCAGATCTGCCGCCTGCT
TGCTTGACTCTCTTCTGACCACAGAGGCCCTGGTCCATTAGCCATGTCTGT
Table3 4934
ACCCCCTTTTCACTCAAAGATGTCCCGGATTGGATAATAAATTACATAGCTATACCCTGTCCACG
GCGTGGGTCGACCCACGCGTCGCGGATTTATTTATAGTTGTCACACGGTCGAATAGCTCCTTCTTCTCAGT
AATACAAGCTTTTTGGTTTGAAATATGGATCCTCTTCCCAGCATAATAATGTGATTTTTTATTCATTTTAT
GTATTATATTCACATTTTTACTTAAAGGAAAATGCTGCGTATTGTGATGAAATGCTCGTCTTGAGGAAAAA
TTTCTTAAAGCAAAAGAAGAAAGAAGGTACTTGCTAAAGAAGCTCCTCCAGCTTCAGGCTCTAACTGAAGG
GGAAGTACAGGCTGCAGCTCCTTCCCACAGTTCCAGTTGCCCCTGACTTATGGTGTGGCCAGCTCTGTGGG
AACTATACAGGGAGCTGGGCCTATTTCAGGGCCCAGCACTGGGGCTGAGGAACCACTTGGGAAGAAAACTA
AGAAGGAGAAAAAAGAAAAAGGCAAAGAGAACAACAAACTGGAAGATCATCACCGACCGACCTGGCTTTCA
TGATGAGAGTGCCATCTACCCCGTGGGCTATGCAGTACTCGAATATATGCCAGCATGAAGTGCCCAGACCA
GAAGTGTCTATATACCGTGTCAGATCAAGGATGGTGGGTGTGCAGGCCCTCAGTCTTGAAACTTTGTTCCC

Table 6
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TGAAGATGACCCCCCAAGAATGCAATTGTCAAGCTCTTCTGCAGAATGGCTGGTCATGCAAGAAACTGTTC
AGGGATATAAGCACTACTATGGGGAAACTATGCTATACTGTTCCAACTGGACAAATTTTGGATTTTTCATC
AACATCACAACTGATCCAAAGGCAGGATCCAAAGCTTATACANNN
Table3 4935
NNNACGCGGGGGTCGGCGCCATTTTGTCTCGGCAGCGGTGGCCGTAGCTCCATCGCATTTTATGT
TTCTGGCGAGAAGGGAACGGAGTTTTCATCAGGTAGATTGGTTTTTGTGCGGCCGTCCTCCACCGTTTCCT
CCAGGACAGCACCTAGTCGTGGCCGGAGGAGTCTCAGAGCTGTCAGAAAGAATAAGACTGATTTTATGGGA
AAATTAAGCAGATGCTCCAGTTTGAGAAACCTGGATCTGCGATCTGTTTGTGGCTGGGTGCAGTGGCTTGT
GCCTGTAATCCCAGCACTTTGGGAGTGCTTTTATAAGTCTAAATATATTCTTTGGAATCTCTAAAGCAAAA
CTTTTAAACTTTNTTTTTTTTTTTTTTTTTTTTTTTAGGTACCAGCATCAAGATGATTTATGGTAATAAGGT
ACTCAGTCTTTGCTTAAAATAAATTTTACGTTTACCAAAAAAAAAAAAAAAAAAAAAAAAAAAACATGTC
GGCCGCCTCGGCCCAGTCGACTCTAGACTCGAGCAAGCTTATGCATGCGGCCGCAATTCGAGCTCACTTGG
CCAATTCGCCCTATAGTGAGTCGTATTACAATTCACTGGCCGCCGTTTTACAACGTCGNGACNNNN
Table3 4936
NCGTCCGCCCGCATGGAGTGCAATGGTGCCTCGAACTCTTGGACTCAAGTGATCCTTCCACTTCA
GCCTCCCAAGTAGCTGGGATTACAGCTGTGTGCCACTGTGCCCAGCTGAGAGTGGGTTTTAATCTGAGCAT
GGGGGCAGCTATGATTCCCCGTAGCACCTGGGGTGAGACCAGGTCCTGGCTCCACTCACCCTGCCAGGATC
TCGTGGTCTGACACCTTCACACTGGACACGCCATCTCTGGCCTCATCCAGCGTCTGCACTGGCTCAGGCCT
CCGTGAGCGGCAATCCCAACAGCGGATACTGGAATCAATAGAGCCTGTGAGGCCAGCATGATGGTGAGGTC
AGGTTTGGAGGGGGAGGGCAGCACCCTGGGCCCCCGTGCTTAGGCCCCAGACTCACCGGACAGGATAACTG
TGGCCTCTTCATTAAACTGCACCGTGTTCACCTTCTGAGAAAGTTATTGCCACTCAGAGGAGGCTGGACTT
TGCAGGACTGGGATAAAGGCAGGGCTCCCAGTGTCGGTTAAAGCAAGGGCGAAGGGGAGGTGAAAGGTTTT
GGGGGAACAGCAAGGACAGGGGTTGGTGACTGCCTAGCCTGGCATGCGGAGTGGGGGATCGTCATCTGGGG
AAGGGATCCTTACGGTGTAATGGGGGTGGCCGTGTCACCACCTATGCGCTAATACGGGTCCCCTCCACTCA
AATGAGGGTCTCCAGGCTTTCACTCACCCCTGCGTGGCCCCGGAATTTGCGCACGACCTGCCCTGATGCCA
CATCCCACAGAACCACCGCCTTGTCCCCGCCGCCGGAGCAGAGACTACTGTTGTCA
Table3 4939
CGTCCGCGGGGGAGTGGTAGGTGGGGGCTGCAGCTGCCGGACCCAGGTGCGGAAGTGCGAGGGCC
CAGGTGGCTGAAGGGGCCGTTAGGAACATCCAAGCGGTGGGGCACAGGCAGATCCCCGACCTGACCTGGAC
CACCCTTCTCCTCTTGGCCCGCCCCTTCAACTCGCCTCCGCTTAGGTCTGGATTGGCCCCGCCCCCTGACC
TGAGCCTGGTCCTTCTTCAGGCACTGACCCTTGACCTCCGGTGGCTCCCCCATCTCTCAGGCGCGATGGCT
ACGGGCGCGGATGTACGGGACATTCTAGAACTCGGGGGTCCAGAAGGGGATGCAGCCTCTGGGACCATCAG
CAAGAAGGACATTATCAACCCGGACAAGAAAAAATCCAAGAAGTCCTCTGAGACACTGACTTTCAAGAGGC
CCGAGGGCATGCACCGGGAAGTCTATGCCTTGCTCTACTCTGACAAGAAGGATGCACCCCCACTGCTACCC
AGTGACACTGGCCAGGATACCGTACAGTGAAGGCCAAGTGGGCTCCAAGAAGGTGCGGCTTGGAAGTGGAT
GCCATTCACCAACCCGGCCCGCAAGGACGGAGCAATGTTCTTCCACTGGCGACGTGCAGCGGAGGAGGGCA
AGGACTACCCCGTTGCAGGTTCAAATAAGACTGTGCCGGTGCCTGTGTACCTCGGAGCAGGAGTACCAGCT
TTATCTCCACGATGATGCTTGGACTAAGGAGAACTGACCACCTCTTGAGCTCAGCGCGTTTGACTGCGTTG
TGGTAACCATGACGGTATGACCCCCAGCAGTCCAGAACGTTCTGTGGAAGACTGAGGGGGCTACCCTCTGG
CAGTGCACGCGGGGCGGCCGCCTAACACCGTGGGGGACAGAGGGGGAGTGGCCTACGGCCCACNNNNNNN
Table3 4947
NCAAAGTTGATAATCTGTAGTGACCAATGATTGTACTGAACGACTAGATTAGATAACTCGGTAGA
TCATGACTGTTCCTCGTGTGAAATTTTGTTTCCTCCCATAAAGATTTTGGATCACTTACCATCTGTAACAA
AGGAATCATCACTTAGAGCAACTCAACCAAGTGAAAATGATAAACTTCAGAAAGAACTCAATGTACTTAAA
TCAGAACAGAATGATTTAAGGCTACAGATGGAAGCCCAACGCATTTGCCTCTCTCTGGTTTATTCAACTCA
TGTGGATCAGGTTCGTGAATATATGGAAAATGAAAAAGATAAAGCTCTTTGCAGTCTTAAAGAAGAGCTTA
TTTTTGCTCAAGAGGAAAAGATCAAGGAACTTCAGAAAATACACCAGTTAGAGCTACAGACTATGAAAACA
CAAGAAACAGAGGCCATGGAGGACGAGGAGAGACAGAAGAAGCTGGAGGCCGGCAAAGCCAAGCTTGCCCA
GTTTCGACAAAGAAAAGCTCAGTCGGATGGGCAGAGTCCT
Table3 4949
NNGTCAACTGGNAACCTCAGTAATTCAGACCCCACATCCCCGAGGTACATCACCCTGCTGAGGGA
CATCCAGGACAAGGTCACCACACTCTACAAAGGCAGTCAACTACATGACACATTCCGCTTCTGCCTGGTCA
CCAACTTGACGATGGACTCCGTGTTGGTCACTGTCAAGGCATTGTTCTCCTCCAATTTGGACCCCAGCCTG
GTGGAGCAAGTCTTTCTAGATAAGACCCTGAATGCCTCATTCCATTGGCTGGGCTCCACCTACCAGTTGGT
GGACATCCATGTGACAGAAATGGAGTCATCAGTTTATCAACCAACAAGCAGCTCCAGCACCCAGCACTTCT
ACCTGAATTTCACCATCACCAACCTACCATATTCCCAGGACAAAGCCCAGCCAGGCACCACCAATTACCAG
AGGAACAAAAGGAATATTGAGGATGCGCTCAACCAACTCTTCCGAAACAGCAGCATCAAGAGTTATTTTTC
TGACTGTCAAGTTTCAACATTCAGGTCTGTCCCCAACAGGCACCACACCGGGGTGGACTCCCTGTGTAACT
TCTCGCCACTGGCTCGGAGAGTAGACAGAGTTGCCATCTATGAGGAATTTCTGCGGATGACCCGGAATGGT
ACCTCGGCCGCCACCGCGTGGAGCTCCAATTCACCCTATAGTAGTCGT
Table3 4950
ACAGGTTATTTCATTTCTGGCTGCAGTTTTGCATAAAAAGGGAACTCGTGAGGATATTGAAAATA
ACATGCCAGAGTTTTTACTAAGAAGTATGAAAAAGGAACCCCTTTCTTCTACAGCAAAAAAGGATGAATTG
GACACCTGGGGATATTTCAGAGTCACTGTTTTACCATGGAAACAGAAAAGATAATGAATTAATTCGTGTAA

Table 6
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AGCCAGAGGAATTGTGAAATTGCCTCTAACAACCTTATGAAACACTACGCTTATGCCTGGATGAACTTAAC
AGTTTGGAATGGTCAGCTGTCATTGTGGATGAAGCTCATAGAATCAAGAATCCAAAAGCTAGAGTAACAGA
AGTTATGAAAGCTTTGAAATGTAATGTCCGCATTGGCCTCACTGGAACCATCCTTCAGAACAACATGAAGG
AACTGTGGTGTGTTATGGACTGGGCTGTGCCAGGCCTTTTAGGGAGTGGGACCTACTTCAAGAAGCAGTTT
TCTGACCCAGTAGAACATGGTCAGAGACACACGGCAACAAAGAGAGAACTAGCCACTGGCCGAAAGGCCAT
GCAAAGACTTGCCAAAAAGATGTCTGGCTGGTTTCTCAGGCGCACCAAGACTCTTATCAAGGATCAGTTGC
CTAAGAAGGAAGACCGGATGGTGTATTGTTCTTTGACAGATTTCCAGAAAGCTGTCTATCAAACAGTGTTA
GAAACAGAGGACGTGACTTTGATACTTCAATCTTCTGAGCCTTGTACCTGTAGGAGTGGCCAAAAAAGGAG
AAATTGTTGTTATAAGACCAATTCTCATGGTGAAACAGTGAAAACCTTGTATCTCAGTTACCTTACAGTCC
TTCAGAAGGTAGCTAACCATGTCGCGCTACTGCAAGCTGCTAGTACTTCCAAACAACAGGAAACACTTATC
AAAAGGATATGTGATCAGGTTATTTTTCCGATTCCCAGATTTTGTGCAN

Table3 4951

ACCAGCTAGTGGACAAGATAGTGCACTGCATGAGACCGTTGATACAGCCAGAAAACAGGGAGATC
TTGAGGCATGGCAGTATCCGGTAATGTTACAACCGATACCGGCCGGGAAAGGGCCAGGAAAGGGAGTCAAG
CAGGAGCGTCTGTCCGAACGGAGGCTAGGTAAGAATATTTCACCATGAAAATGTTAAAAGACATAAAGGAA
GGAGCTAAACAATATGGACCCAACTCTCCTTATATGAGAACGTTATTAGATTCCATTGCTCATGGAAATAG
ACTTATTCCTTATGATTGGGAAATTTTACCTAAATCTTCCCTTTCACCCTCTCAGTATCTACAGTTTAAAA
CCTGGTGGATTGATGGAGCTCAAACTCAGGTAAGAGAAAACACACAAGCACAGCCACCTGTGCCTGTTTCT
TTTGAACAGCTAATGGGAGTTGGCCCTAATTGGGGTTGATTAGAAAATTAAGCAGTAATGAAGAATGTTGC
CATTGTTCAGCTGTGCACTGTGTGCTTACAGGCATGGAAAAGAATAAGTGTTACAGGGGAAAAATATCCTT
CTTTCAGTTGTTTGACTAAC

Table3 4952

ACCGGAAGCAGCGAATGGAAGAGATGCGGCAGCAGCTTCACAAGGGGCCCCAATTCAAGCAGGTT
TTTGAGATCTCCAGTGGAGAAGGGTTTTTAGACATGATTGATAAAGAACAGAAAAGCATTGTCATCATGGT
TCATATTTATGAGGATGGCATTCCAGGGACCGAAGCCATGAATGGTTGCATGATCTGCCTTGCCGCAGAGT
ACTGTTTGCATTAATAAATTAAAGCTCCATAGGGTCTTCTCGTCTTGCTGTGTCATGCCCGCCTCTTCACG
GGCAGGTCAATTTCACTGGTTAAAAGTAAGGGACAGCTGAACCCTCGTGGAGCCATTCATACAGGTCCCTA
ATTAAAGAACAAGTGATTATGCTACCTTTGCACGGTTANNNN

Table3 4953

acattgttgtatgtcccgcacaggtccactgcttctctccgatttgtccgcgttattatctcgcc
tgtggcctttgtcagttggtgtcgttgctgcccctgggattgtccccgccctctttgtcgtttgcacgcag
ctgctgtctgtgccacgtctggtgtcactggcgcatatcctgcttctgtcctctttttctccccggggtcc
cgcggtttccgtgctcaaccctcctgtggttcccggggattccaggctcatgcccacccagccgcgctaat
ttttgtaatttttaggggtttcctccatgtcggccaagcctgtctagagctcctgacctcaggcgatccgc
cgcctcggccttcccaagcctgggattaccagcgcgtaagcccccgcgccggctctgtcattctgtctttt
acTTTTTGAGATAGAGTCTCGCTCGGACGCTCAGGTTGGAGTCCAACGGCGTGATCTAGGCTCTCTGCAAC
CTCCGCCTCCCGGGTTCAAGCGATTCTCCTGTCTCAGCCTCCCGAGTAGCTGGGATTATTGACGGGCAGCA
CCACGCCCGGCTACTTTTTGTGGTTTTTGTATCTTCTGTCTTCTGCTCTTTAGTACCGCATAGAGCCGCAG
AAGACTAGCGAGTCGAACAAACGGCCCCTCTTGCAGCAGTTGTTGATCACGGGGCTGCCCCCCGGTACTCA
TCCTGTGTCTCTCGTCCAAATCCCCGCTCCTCCTCAGCTATCACCTCTGCCGATGCTGGTGGTTTCCCTGG
GTACCGGGAACCAAACTCTCATTCCCCAGGGGGCCTAAGACCCCCGTGGCCAGGCCCTTCTCAAGTCAGGG
TTCCTGCACATTCACAGTTACGGGTGGCCCTGGGAGTAACACCTGGCACCCAAACAGGTCACCAGAGTCCA
CACATAGTCCACCTGCCCTCCCTGCGTAAGATCAGCTCTTCCTCCTCCCGACGAATAGATCAGGATCAATG
ATCCCTGCCAAGATGGCGACTGCTCCAGCCTGCTGGTCCAACCTGTCCAGCCACAGCTGTTGCTCGAAGGC
TTGAAGTTCAATGGGACCCTCTCCCGCTTTCTACAAACTGGTTCCTTTATTTTTATGTTTATTTGGGACGG
GGTCTGGCTCTGTCACCCAGGCTGGAGTGAAACTCCATCTCAAAAAATAAAAAATAAAATGAAAATAAAAT
TAAGAGGTAGACGCTAGGCTTGAGTCCAGAATTAGAAATCTCCAGAGCTAGGGTGTTTTCTAAGAAGCCCC
TTTGCGTTCTGGGGGCTCAGACCTCAGTGAGGCTTAGTAGGATTTTGTATTTTCTTTCATTCTGACTCAGC
ACAGACATTTATGGGGGAGATGGAGAGAGGAGAGATTAAGGAGAAAAAGGTAATTCCGGAGActaAGTGGG
GAGAGATGAGCAGAGCGG

Table3 4955

GGCAGGTACAACAGGCTTCAGATGTTACTATAGATAATCACAAGGAACACTGCGCTTGGGGCATG
ACTGCCCTCAGCAACCCTTCTGGCGGCAGACACAGTTGTTAGTTTTCCAACATCCTGCTTTCATGAGAACA
GTTTTCTGTTTGCTCATATAGCCTTCAGTGGTATACTGAGTTGGTCACGACCTTCATTCTTTCGGCCTGTA
ACATCTCCCCATTTTTGTTTTTGCATTAATTGAATAAAGGTAATTGCAGGTTGTGCAGCTCTCAATTGCCG
TTTGGTGGTCCAGCTGATTTTGCAGACTTATATCAGCTGTCAGCAGACTCGTCGCAGGGTTTCTCATTCTC
GTTCTTCTTGTCAGTGTCAGTTTCTCTGCTCCAGCAGACCTTCACTCACGTCCCTGTCCTAGGTGCCAGTT
GTCGCTGTTGGTTGTTATGGGAGTGAACGAAGGGGGATGAATGCAGAAACGAAGACAAAGACAAAAAGTAT
TTTTGGAAGAAGGGGTCAGGGGGCTCCTTCTAGTGAGCAAGGGCCCCCGCGTACCTGCCCGGGCGGCCGCT
CN

Table3 4956

NNNACCACAGGACAATCCCATTAGATGTATCCCCCAAATAGGAAAAGTTAATTTCCCCAACCTTA
AACTGCTGGGCTTAAAATTGAGCTCACGGGAAAGGAATCCAAAAGCCTCCCCGCGTACTTGGGCTTTTTGT
TGTTTACTACTTGGGAAATTGGCATGTATTCTGCAAAGACTTGTTTTAGGCCAGTTTTACCCCATCTGCTA

Table 6
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AACGCAATGCATAGTCTGTATCAACCAGAAGAACCCATCTCTAAAAACATCAATGTTGATAGTCAAAGACC
ACTGTGTTAGAACCAAAATCAGGTCTTGTATGATTACATACATCAGACAGAGCAATGGTGGCACAGGCTGA
GCATGACAATGGCTCATATGTTTGACGCAAAAGTAAACAAATTCATGGATGCATTCAGGAGGAATGCCTTG
CATGGACAAGGGTAAAGTTCAATTTAAAATAAAAGCTCCCTAATATTCTCATAGGGCACCAGCTCTAAACC
GGTCTGTAGAAGAGCTTTTGGGCTGAAACATCTGCCAGGAACATTGCCAATCCCATCACTACCTTCATTTC
CTAGTGCAAATGGAAGGTGCAGCTGTTTGAAGGTGCTTTTTAAAAGATCAAAAGATGACTTGAAGAGATAA
AAATGTTTAAAAATGAACAAATCTGGCATGGTGGCTCATATTGATAATCCCAGCACTTTGGGAGGCCAAGG
TGGAAGGACTGCTTGAGGCCAGGAGTTTGGGACCAGCCTGGGCAACATAGCAAGACCTCGTCTCTATTAAA
AAAAAATATAAATAAATACACTTGGAGAGTTTTTGGTTTTCAGAAATTAAAGTCAGGAATTTCATTAGTAC
AGAAATTAAAAATAAAAACCTACTACCAAACCAAAAGACCACTCATATAAGCAATCTGGCCATAAAATACC
TAGAAAGTAATATTGAGGACTGATGTATCAAGGAGCCAAATGAATTCCTTGACCATTTCTAGTTGGACCAG
GTGCCATGAGATACAGCATTCAGAGGAAGTGTCCATTTTTAGAGGATCATATGAAGAATGAAGCCTGGCAG
TGATTTATTTTTTAATAAAGCNN
Table3 4957
NNNNNNNNNNNNCGGAAGTCTTCTAGAATTAATTAACGCGGGGGCTGATGCCATTTTCAGCCTCA
GCACGCCTGCACCCAGGCGCTCATTAAAACAGCATGTTGCTCCCCACTGCCTCGTGTTGTCTGTTGGCGCG
CTGTCGGGGTTCGAACCGATACAAGAACCTTCCACCTACCTGGTGCTTTGGCCTCATCTATAAGCTTTTCC
ACTGTCCTGAAACAAGATAGAGAATCTGAGCGGCCAGTCATCTGCCCTAAGTGCTGCCGCCGAAGACTGAA
TGTCCTGGAAAGTTTGCTGTCACATCTCCATTATGACAAAAGCATTGTGCCGAACAGATGAAAAAATGCAT
TGTCAACGGAATCTTTTATGTTTGTTTGTCTTCCTTTAAGCAACATTGCCTTACTTGTTATAAAAGATAAA
TAAATATTTGTTCATTTCAAAAAAAAAAAACACCCAGCATAACACACAACAAAAACGTTTGTTGGCCGCGC
ACGAGCGACCCCGAAAAAAAGGCTTTCTACAACCCAACTCGTTGGGGGGCCCAGCGGCACCCAAAGATGAA
TATGGCGACACGTGCCCACACAGCGGGTCCCAAGAGAACCCGTGCCGAGCCACTGGGCGCTGGTTTCCCCC
CAAATAAAACGCCCGGGGGACCACGGGCCGTTCTGGACACACTCAGAGGGGCTCCGAGCGCCAAACGGGCT
ATCAACACGGGGCCAGGAGCTGAAAACCGCCCCGCGNNNNN
Table3 4959
NAAGGAAAGCGAATATGCTAAAGACGACGACTGACCGAGGACAGTAGTTGTCCTTTGTTCAACAT
GTTGTTCCCCCTGCTCTTCCTGCTCCGGGGTGTGCCACCCCTGTCGATTGGAATAGGCTCTCGCCCTGAAT
TTCCCTCTCTATACGGGTGCCATTTCATAATCTAGTGTGCGCTTTTCTTCCGGTCTGGATAGGATGGCTGT
CTACTTTTGTTGGGTAAAAAACGATTGAAGGGTAACGCAGTCTTTGGCTCAACAGCCGAAATCCTTCGATA
CGACATATCATCTTTATTATAATCCTGCATCTTGAATGTAAATTCCGAATCTGTGTCACTTTCAAAACCTT
CACGCCCCCCTCTCAACGTGATATCAGAGGAGCAGCTTGTCAATGACCTCGAGCCCAAAGAGTCCAAGCTT
TCAAAGGAATCTTCTCTCTTATGGTGCCTTGGAGGAGCAAGAAATTCTCCACGTTCAGGACACCAGATGTC
ACCGTAGCCACTGTCCCTGCCACTTCTTTTCAGGAAGCTGGAGTCTTCGAGTGCCTTCGTCAGTGCTTGTC
CTAAAAGATTCTCAAACGCTTTCAAATTAAGATGGGGACCATTATAGTACGGGTTGCTTTGTGCTTTTCTT
CCCAGCCAGTACAATGTTATCAAAACATTTTTCACTCTCCTGTCAGTCTCTTCTTGCCTGCCCCCACACCC
AGCTTCCAGCCCATGCCTCCATGGTTAACAGGGAATCTGAAATTCTTCAAGGGGCTTGAGCAGAGGTAACT
GCCCAGTTCAAACTCCACCCTGCTACCAGAATAAGTATCCGCCTTGCTTTGTTGCCCAGAACAACTGCAAC
TCATGAGTGATTCTGTCCCCAGCCCTCTACTTCCTGAGGCCACTTCCCAGAGCAATGCATGGATTCTTCCT
ACAGACCCCACCCTTCAAAAGNN
Table3 4960
NNNNACCATGGTTTTANCTTAATGGGTAANGGCTTCCCCANATCAACAACCAGCCAGGGTGGTGG
TGGTGTGTGGTGGTGGTATTATATTATTACCACCACACACCACCACCATATTATATATTACCACACACATA
CACACATATATATACCACACACACACACAACTTGGCACATTTAAAAACCATCTTTTCTCTTATAAGAACAT
CTAAAACATATATGCATATGTATGTCTGAAAAGACAACAAAGCTTTTTAAATTTTATTTTTAAAGAGACAG
TATAGTCTGTTAACTTCTGGTCAAGAGAGTAGGAAGGAAGGAGACACCCTGGATATACCTCCTGATGTCAT
TCAGGAGGGTGAGGGAAGATGGGCTAGGGGTGAAGAGAAATATACTGTCTCTTTAAGAAAGGGACATTGAA
AACTGTACAATTAAGAAAACAAGAGTAGTGTTTTCAATTGATAATCTATACTCACAACAAATACTCTGATA
GGTGAATACTGCTGAACAGTTTATGTAGTGACTTTTGTTGCAGGGGTGGGTTTAGAGTTCTTTTTATGTAG
GTTTTTAAATGATTTTATTTTGAACTGAATCTCCATTTGCACAGCACAGCAGACACACAAGAACTACAGCG
CATTAAAAACAGCATGTGTGCTGGCGGGGGCCTGGCTTTCTCATTAGAAAAAAATATGTTTGACAGGTTAT
GAAGGGTAAAACAAAAATAATTGCAAGAACTACCGTGCCCTTCTGACCCCATGGGGGCCTTCCCTATCCCA
TGATTCCATTTTGGGGAGTAGAGGTAGGGAGGGGGCAGCAGTTACAAGTGCTTTGAGCTGTCAACTCACAT
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GCTACTGTTTCTGTTTAAGGTCTCTGGGGTAGCTCTTGGAGCCAACAGAGAATAGATGGGGTAGGAATAGG
GATCCTGGCCCTATCCCTTTGGATTTTGAGTTATACCTGGGTATAGGAAGCAGCTTCTTCGCAATGCCTGT
GGGATCTGAGGATGACAGAAAAACCTAAGCTGTGGGGTGGGGCAAATGCTATAAAGTACCAGTAGGTTCTG
GTCATCAATGTGGTCCTCCCTCCTCTCTACATTATTAACCCTTAAGGTGAAGCAATGGAGAAGAAAATTAA
TTAACCTGAACTGTCTTGGACAGAACCCTTTCCTCTCCCTCTCCACTAGCTCCAAGGCTTATTAAGTACCT
AATGTCAACAACATGGCCCCATTCCCCTTGCCCAGATGGACCCTTCCCACCCCTGTCTATACCCAGAGAGC
AGGAGGCAGGACTGATTAGCTCCACTGGATCCCAGATGCTTGAGGTTCTCATTCTTTGAGGGTCACTTTCG
AAAGCTGTTTTCTGGGATAAACAAAGTACGCCTTCGCAGTTTCCTGCCTGATCCTTCCTCCAGCAAGTAGG
TCACATCAATGGCATTTTTTCCAGGGATTTTTTCAAGGAGATTGAGCAAGATCTGGTTGAGTCGTTCCCGT
TGGTTATGCCGTCGTTCCTCAGGGGTACAGGTTGACTGGGGTTCTTGACTACTTTCCTCTGTTTTTTTTTC

Table 6
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ACCCTCACTGACGTTAGCAGTGGCCCCTTCCCGTTCTGGCTCCTCCAGGCTGGGTATCTCATTGGCTGCTT
GCTCTTGACTGGCTAGAACCTCTTCAATCAAGGGTAGAGCATCATCCTCCTGGCCCAAGTCTTTTAGGGGT
GGCTTTGAGCGCTCAGACTTCCAGGATGATCGTCCTCCATTCCTCTTGTAGTTGTCTGGGACGTAATGAGG
CGAGAAATCTTTTTTGGGAGTGAGCTTCTTGGGGAAGTGATCAAAAGCATAGGGTTTGGTGCAGACAGGAT
AGCGGTTCCGGTGGATCTTGTAAAACAGGTGTGCTGACTTGTCAAGCCGATAATCACAGATGTACACATCT
TGCTCCTTTACTCCTTTGGGTCTCCCTTTACAATACGTATAAAGGTCCAACACACAGCAGGTCCCCACTAC
AGCCTCCAAGGGAATGATCTCATAGAGTGGCACCCGAAATAGTTCATTATGATAGAACCGACGGGATGGAG
AGTGGTGTGTTTCGTGGGGACGGAAATAATGGTGACCAAAGGCAAACCGTTCCTCTTTTTCATTCTTCCAA
AGCTTCTCAATGCGAAAGATGTCAAGTTTATCTCGGTTAATGTGAGATAACAGTCGATAGGACTGACGGAC
CGGGTGGCCATCAGGGGTGCGCCGACTATCCCTCATCAGATACACACAGTCACCCTGACGAAGCAGCAAGT
CATCTCGGAGCAAACAGATGAAGTAGACACAGCCAGGTTGGGCATAGTGGGGCCGAGGGATCATGGGAACC
TCCCTGTCCACAGGCCTTGGGTCACACTGCTCACAAAGGTAGTGCTCCACATCTGAGTTCACTCCCATACA
ATCACAGTGCTGCCATACCATGCACTTGTCACACTGGATCATGAGACCTTCATCGTTGTAGAGGCCACAGA
TACAGCGAATAACATCGTCGTCCTTCTCATGCCCATTCTCCTTTTCAGAGACTGAGGTCTCACTGCTGTCT
GCCTCACTTGCTGTCTCTCCCACAATCTCATCAATCTGGGCTGATGCCTCATGCCGGGCATTGTAATAGGC
CTTTCGTAGACGACAAACATCTCTCCCAACTGGGGATTTACGCCCATAGTACTTCTCAGCATTCCGAAAGA
CTTTGAGCATGTCAGCATCAAAAGCTTCCACTGTCTTATAGTAACCAGTGAGGATCTGCTTCTCTATGGTG
ATAAGATCTAGGGGATCAGAGATCTTCTCATAATAATCAGCATTCTTTTTCTTTGGGGGAAGGTTCAAAAG
TGGAGCTGCCAGTGCTTGCCGGGAAGAATCTTTATAAGAGATGATACCATCACAAATTTCTTTGAAGATCT
GGGCTAGGCGGGCTGCCCGAGCCACTTCAATATTTTCCTCTGCAGCTGCCAACCGTCTTGTTCGAACAGAT
CGAGCTGTCTGCAGGGCAGAGAACTGGGTCATGAAGACATCAGACTTGATATTCCCATCATCTCGGCAGAT
CCCATTCCAACGGGTATATAATGATGCTGAGTGAATATTATCACTGGTGTGCTTTACTTCCTCCTGTTTTT
GACGAATCTTCTCCCAGTTTCGGACCAAGAATACATGATGCTTTAACACAAAGTTCCTTTCACGATTGGAC
ATTGGCTTCATCTGTAATTGGGGGGTCAATCTAGTTGGGGTGTTGATATTTTCACTGGGTTCCTCAGAGAG
ATGGCCTCTCCTTTTCTTCAGCTTGTGCTTAGACTTTCTCTTCTCTTTTGACCGTCCAGATTTTTTGTGTG
TGGCCATGGGCTGGCTGTTTTTGCTGCTGGTGAGTCCATTCACACGCTGACTCTTGCCTCCGATGATTCCT
CGACATTTCTCAAAGCCACACTTACAAAGTTGCTGTTTTTCCACATTGAAGGAATGAAAGTTATAATCATA
AGTGAGTTCAGTCCCAGCTGGCATGTCTTTAAGAGCATAGAGTCCAATCCGGTATACTCCATTAACAGACC
ATTTCTGCATTTCACAATTTGGGTCACAGCTATGGTTGATGAATCGGGCCTCATTTCCCATGCGGTAACTG
TCAATCACCATCCCACTATCCAGGTTCAGGCAGTAGTGGTCACTGTGATTATGATACTGCTCAATCATCCT
GTTCCTGAACTCCTGTTCACTGACGACCTCCCCTAGGTATTCAATGATGAACTGCCCAGCTTTTAGGGGCT
CTTTGGTTCTGATTCCCCAACCTTTTTCCTCAGCTCGAAATCGTTCTAGACATTGCACCCATTCATGCCTC
TGTATCCTCTGGTTACAGCATTGCTCGCCACATGGGCAAGTGTTGGGGGAACACTCAGCAAAGATCATTCT
ATTGAGGCAGTCATCAACACAGCCCTTCCTGGTGTCATCATCTGGCTTCTTACAGTTACAGGTGGTAGCTT
CGTAACCAGAAAGGGGTTTGACATCAACGTAGACATTTGAACGAATTTTCTTATATAGTGGGACATCTGGC
TTTTTGTATAGCTGATTGTGTTTCCACTGCCAAAGGATATCATAAGGAAGCTGGAAGTCAATTCTCTTTTG
TCTTAGATACTTTCCTGAAACAAAAAACACAACATGAATGGGCGCTGGAAATAATCCATATTCATGCTCTC
CTGGAGTATACTCCAGCTTCTCTTTCTTTAATTGGATCAATCGACTCTTTGGGTCTGTAGTTTTGTAAACG
TCAGAATACAGCCCTGCTTTCTGATACTTCTTCTTTGGGGGACGTGGGGGCTTCTTTTCCCTTGGGATGAG
AGAAAGCACAGGCTGCAAGGTACTTTCAGGTTCAGAAGGTTTAGCTGGGGTTTCAGAAGGACTGGGAATCT
CAACTGGTGCTTCATTAAAGCTTTTATTATTCTCTTGCTCTTCTTCCTCTGGTAATGGCTTCTGCTTTTTT
CTGGTCTGTTCTTCCAATAGCCAACCTTTTCTCTTCAACCCCTTTTTATGTTCTGGGTTCAGATTTACACT
CTGAACAACAGCCTCAATTACATCTGTAACTGTGTCAGGACTGAGGTGCAGTGCTGCTCCTTCCTCGTCTC
TGTTCAATTCTGGGTTGACAAACTGAGCAGCCTGGAATGCTTGCATTGATACGACAGCCTGAAGGGGACAT
TTCCGAGGTCGACCTGGCCTACGTTTCACAAAGTTATTCCCTGTCCTGGCCTGCCTTTGAAGTTTTTTGGC
TTTTAAGATTTTATTGACATGGTCTAGGTTTTTCTTTGTGGCCAAGATTTTGTCGTAATTGCACATTTTCC
GAGCTTGGCGTTGCATAGCTTCCACTACACTTCTCTTGATATGATGGGGGGAACAGCTGCTTGTCAACTTT
TCAGATAGGAGTGAGATGCTATTATTGCAAGAGTCACTTGCGACTGCAGGCACTAAAAGGCTGTCTGGTTT
TCCCAGGGTTCGGTCCTTGCTGTGGCTACGGCCTGGACTGGAAGAAGGTGGTGCAGAGGCAGTTGCAATCA
CAGCATCAATACTTTTCTCCATGGGCTCTTGGTCCTCATTTTGTACCATCCGCTGCAGCAGACTATCCACA
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AGATGAAGACCTTTTCCGGGTAGGGCTACAATTTGTGCTCTCTGATGGCCGCTGGGAGGGTTTATCAGAGG
TTGGCTGGGAGCCTGCCAAAGTCTGTACTGCCCTTTCGTTAGAAGGCAGTGACTCCTTTCTGTGAAGCCGA
TTTAGTGAAGTGTCCTGTGCAGAAAAGAGTCCAGGGCTGTCAGTTAATTTCTTCCGGCCACTGGAGTTAGG
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AGTTGGGAGTGAATCCTCCAAGGGATAAGCTTGGAGAACTTTCTGAACAGTCAATCTGTAAAGGTGTCTGC
AATCCCAAGGCCAATGGACTAGATTCTGAAGGCTCTCGGTGGACCCACTGTTCCTCTCTGTTTATTAAGCT
TTTTGAAGGAGAGAGATGAGGGCAGGACATGTGACAACGGTGCTTTTCCTTATGCTTATATCGCTCTCCAA
CAGCATCCTTTCCAAATCTATAGCGCTTCAAAGATTCCAGGACAGATCGGGAAGAGCCAGTGTCCATAGAA
ACCTGGGGTTGTTCAGAAGAACGGTGTTCTCTGTGTTTGTGACGGTGCCTGTGTTTGTGCTCAACCATCCA
ACCATAGGCCATCTCAGGAGGAACACTGGGGTAGGTACTCATGGAAAGGAGGGGAGTCCTGCTGGTTGTAA
GAAAGGCCTCCTGTCGAAGTAGCTTATGCTTTTTCTTATGGTATTTGGCAGGATTGAGAAGTAAATGACCA
GCATGCATATAGGAAGGAGGTGGAAGTGGCGTGGTGAAAGAAGGAGATGGAGGAGGTGGATAAAGAGTGGG
AGGATACCTTCCATAGTAACCTAATCCTATGGGAGCAGCTGTAAGGGGTGAAGGAGAGTAAGGCATACCAT

Table 6
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AAGATGGATAGAATCCAGTACTAGAAAGAGGAAAACTAAGGCTGTGCATAAAAGGCATTTCAGCCATTGCC
TCCCTCATCTTAGGGGGTCTCCCTCTTTTCTTTTTTAAGTCAGGTTTTCGAATGTAGTGCAAAGGGTCTAA
GGGGAAAGAAGGATGTGTATAGAAACTATTAAAGTTGATTCGAAAGATAGTTGGCAGAAGATCTCGGGGGA
TAAAATGATGACTTCGATGAGTGATCCGAATTTCACTTAGGCGACTTATTAGTTCCTCCAGCTCTGCAATA
AAGTCTGGATCCTGTCTATTTCGAAGCTGGGGATATTTCTTTTTCCGTTTTCGTTTCTGCCTTTTCATCTT
GTCATAGCTGAGGTAATCATGATTCCTGCGCTTACATTTGTGTTTATGTTTTTCTTTAAGACTGCTTAGCA
CTGTAGAGGTTTCAGGGGGAATCAGAGAAACATGCTCAAAAGAATGCCTCCTCTTTTTTTGCCCACAAAAT
TTCTCTGCCCTGTCTGATGTGCTGTTATTATCTGTTCCAATTCCACTATCACTGGGAATGGTCTCATCACT
ATGAGACTCACTGATTGGGGAAGGAGTAGCTTCTTTTAGAGATGTGAGTTCACTCAAGTGCGAAGGAGAAT
TTGGCAACAAAGTAGGAGGAGATAACCGCCTCCTCCCCTTTGAGGCCTTCTTCATTGCAAGAGTCTGAATC
ATACTGCCCTGTCTGGAGTGTAAATGCAAATATGGCACTGAACTGGGTTCAACAAAACCTGCATCACTACT
TACAGGGCTCTGACCTCCACTAGTCCCAGAAGACTGAGAGCAAATAGGTGATGGAAGAATCTCAGAACTAC
TAGCAGATGAAGGCAGTAATGGGGGAAGAATCTGTCCTAATGCTGACCCAGCTGCCTGTTGAGCTGTTTGC
TCAAGAACAGCAAGGCTAGTAGGACTACCAGAAAGAATACCATTTAAGACAGTTTTTGGTTTGCGACCTCT
TCTCTTTCCTATATAAATGGTTCCTTTCTTGCTGACATTTATCTGTTGGCCCAATTTAGAGCCAAATGTGG
CAGCAAGACTTGATACCGTATTATGGAGTTTGGATTGCACTTTCCCTTTATTACTTGATTCTACAGAACTT
GAAAGAATCTGATTCAACAGTTTCTTTCTCTTTAAAGTCTTCATTTTATTTATTTTGCGGATAATTGTTTT
CATTAATTGTCCATTGTTTCTCTTGGTAATTTTTTTATCTGGTTCCATCTCAAGGTCACTCATACTACAGA
CACTTGGCCTATGACTGTCATCTAGGTCATCTGGATCCTGAAGTTGATCCTCGCTCTCAAAGAAATCACTG
CTACTTCTATGGTTGTCACTTTCAGATTCTAGCTTGCTTGGACTTTCAGTGGCAACAAATGGAGCCACTGA
CAGTACAGGTGGCTTCATCTTGACTGGTGACCTCATTTGCCTCTTAGGCCTGCCTCTCTTTTTTGGAAAAG
GAGACACAGACAGACCTTGTTTGAAGGAAGGGATTTCAATTTCTGGCTGTAAAATTGGGGGTTCTTGTTCT
TCCTTAGACTGTAAAGAAAACACTTTAGAAGCAGGGATTTTTAAAGTCCTTTTAGGTGGCCCTTCCAGTTG
AGGCATCTCCTTAGATTTAGGCCTTCCTCTTTTGGGCTTATAAATATCAGACAAAAGGTCACTAGAGACAC
ACATACTGGAGGATAGTTTGTGAGTAGCAAAAGACTTATGAGATGGTTTTTCACTATCAGCTAAGAGAGCA
AGAGATGGAGCTGTGGATTTGCTCAACTTTGGCAATCGGCGTTTAAGGAAGTCATGATCTACAAATGAAGG
GGGTCCAATGTTTTTCATAAACTTGGCTGGCTCAGAATTACTATTTGATAGTGAGCTACATGAAACGTTTT
TAAAAAGCTCTGATCTTTCTAATTCTAGCCCTTTTGGAGACCGGCATGTGCTTCTTGCCACCACTTTAGTC
CACCGAGGTTTTCTTCCTTTTCTTTTTTTTAATGGTTTGGACTGCAAACTAGTACTTAGGCTTTCAGCAAC
TTGGCAGTGTTTGTCTGATGCAGATACTGCACCCAGTTTTAAAAAAGGCTTATTACTAAATAAACTAGTGA
AGTTAACAACTGAAGGAGTAATAGTATGAATGCTGGATTCAGAAGTCAAACTTGGCTTTTTTCCAAGGGAA
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AATACTTATACTATGACCAACTGACCTATGACCAACGTTCAAGTGGGTACTTTCAGAAGTAAACTGGTTCT
TTCCAACAGATTCAGAAATTTCTTCGATTAGTTCTGTAGTAGAACTTAAAAGTAATGGATTAGGAGCCAAC
TGTGAAGAAGTTTCAGGGGGACTTCTGGTTAAAGGATTAACAGATACAGTAGGTGATGGGGAAGGGAGATT
GCTTTCTCCTACTGCACTGAATGGGGATTTAGCGGTAGATACATCAGAAGCACCTCCCATTTTAAAGTCCG
GAGAAGTGCAATATACAGGAGGCTGCTTTTCATGCTTTGAGGTTTCATAAGATCCCTTTTCACTGGATGAG
AAACTGTCTTGCTGAATGCATGTTCCTTCATTAAACATTTCTTTCTCCAAATTAATGATTTCTTTTCGTAC
TGAGAACTTTTCCAATATGCTTTCTTTATTCTGCCGTACAACATTCTTTTCAAAAGTTTTGCTGGTGGCAC
TATCTTTCAGGGATTCAGAAAGTTCCTGACTTTCCTGATTATTGATGTTTGTACTACAAGAAGCCTTAAGC
GGTTCCTGAGTGGGGAGCAGTGCTTCGGCTTTAAGGTTTATGGCATCTTTACTGATCAGACCTGCCAAAGG
ACAACTCATTAGTTTCTTTCCAATGTCCTTATTAACCAATCCCATTGCTGAACTTGCTACAATCTTCTTTG
CACAGTCCTTGGCCACTAGGCCAACAGTAGAACCCAATTTCTTTCCCAAATCTTTATTAACCAGTCCAACC
ACAGTGCCAAGTCCTAACTTCTTGCCAGACTCTTTATGCACTAAACCTGGAACAATACCAATTCCTAGCTT
CTTTCCTGAATCTTTGCTTAGCAGTCCTACTGTAGTGATAGTTCCTGGCTTTTTGCCTAAGTTTTTATTAA
TGAATACCGCTGTAGTGCCAGTTCCCAGTTTTTTCACAGAGTCCTTATTGACCAATCCTACTGCTGCATTA
AACACTGGCTTTTTCCCAGGATCTTTAGTTACCAATCCAACTGCTGTGCTGATGGTTGGCTTTTTTATTAA
GTCCTTATGTATTATTCCAGCTACAGAGCCAACACCTGCTTTCCTGATCAAATCCTTGCTAACCAATCCTG
CTGTAGTGCCAGTTCCTAACTTCTTCGGTTTTGTCTTGGAAGACTTGGAAGGAGGACAGGTAGCAATCAGC
TGTGCCAACTTTTCTGTTACACTAGTTCCTCCATTAAGTAATGCTCTGTCCTTTAAATCAGGATCCCGGCT
ACCAAGAAGAGTAGATGGCGTTGCATTAATATAATCTGCCATTTCTGAGTGTACTGGAGACAGCTTCTTAG
ACAAAGGATTGTTTTCTCCCTGTGAATGAAGACGGATGACTTCTTCAGACTGGCATTCAATGGCTGCAACA
TCATCTGCTTTCTTGTACAACTTTGAAGGGTCTCGTTTTGAAGGACAGTGTTCATTCTTTTCATCCGTCAT
CTTTCCACTTTTAAGTGCTTTCCTTGGGTGCTTAATAGTTGTTTTTATGGCAGGTCGACATACATAGTTCT
CCAAGTTCTTTGGAGGTTTTTTAGTTCTCTTAGCCTGGAGGCCAATTTTCAATTTTAAATTTCCCTCTGAA
AAGTTTGTTTCTTTCACTGAAAACTGTTGCTGTGCATCAGTCAAACCATCATCTTTCCCAGCTTCGATGTT
TCTTTCTCGATTCCGTTTGCGAAGGTCCTCTTCCTCCTTTGTGTTTTTTTCTAGCTCTACTTCTCTCTTAC
TGACCAATGTGCCAGTACTGATGGCAGAAGGACTCTTTCTTGAAAAACCTTCGGAATCAGAACCCAATCCT
AACATAGCAGTATTTCTAGGGTCCATCACAAGCGTATGTTATTGCCAAGGAATCTTATGAAAATTTTACAG
AACTGTGTTCCATAAAAAACAAGGATCTCCAAAACTCGAAACCAGCATCTTTCTCGTGTCGGAGGCCGAGG
CCGAGGCCGAGAGCGATGAGAGTGCAGGGAAGTGGGGAAGAGGGGGTGGCCGCCAGGCTCCTCCGCTTCCC
TGGGTCCACGGCGGATCCCTCCCGCTTGTCAGGAGGCGGCCAGCGGGTAAGCTGACTGGCGGAAATGCGAG
AGAGGAGAAGGGAAAGGTGGAAGGCTAAAGGGGGCAAACTGAGGGGAGGCGGGTCCCGCAACCGACACTGG
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Table 6
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Table3 4961
NNNCGACCCACGCGTCCGGAACGCGGACGTTGCACCGTGATCAATTTTGTCCCTTTGGAGGCGCC
GTTACGGTCCACGCCCCGCTCGCGTCAAGACTGTAACGGGCTGGTGGTGGAGAAGGACGTGCCGTGCCGCT
GGGTTCTGAGCCGGAGTGGTCGGTGGGTGGGATGGAGGCGACCTTGGAGCAGCACTTGGAAGACACAATGA
AGAATCCCTCCATTGTTGGAGTCCTGTGCACAGATTCACAAGGACTTAATCTGGGTTGCCGCGGGACCCTG
TCAGATGAGCATGCTGGAGTGATATCTGTTCTAGCCCAGCAAGCAGCTAAGCTAACCTCTGACCCCACTGA
TATTCCTGTGGTGTGTCTAGAATCAGATAATGGGAACATTATGATCCAGAAACACGATGGCATCACGGTGG
CAGTGCACAAAATGGCCTCTTGATGCTCATATCTGTTCTTCAGCAGCCTGTCATAGGAACTGGATCCTACC
TATGTTAATTACCTTATAGAACTACTAAAGTTCCAGTAGTTAGGCCATTCATTTAATGTGCATTAGGCACT
TTTCTGTTTATTTAAGAGTCAATTGCTTTCTAATGCTCTATGGACCGACTATCAAGATATTAGTAAGAAAG
GATCATGTTTTGAAGCAGCAGGTCCAGGTCACTTTGTATATAGAATTTTGCTGTATTCAATAAATCTGTTT
GGAGGAAAAAAAAAAAAACAAAACACACGCAAAAAAACAGAACAGAAACAAAAAAATGGGTGGGGGCCGGGA
CGGCCCAAAGAAGCATAAAACAACATGGTGGGGGCGCGGACCCCATGTGTACTGCACACGGTCAACAGGGC
CCCGAGAACAGGGGCAAGAAGGCGGTGGGTCACCCAAAAAGCGCCGGGGACACACGCGGTGTGACACCCAC
AGGGAGCGAGCGGCAAACAGGACAAAAAAGGCGCACCATGACCACCGCAGAGGCGGCAGTATGAGACACAG
CAGAAAAAGCAGACACAAGACACGGCACAACAGCCGGAGCACCACGGCGCAAGCACGACAAAGCGAGACAC
AGACAGCAACACAGAACGAACAGCAGAGACAGANN
Table3 4963
NGACGAACCACGCGTCCGCGGACGCGTGGGCGGACGCGTGGGCGGACGCGTGGGCTAGCGGGCGG
TGGGGGCGCCAGCAGCGCGGAAGGCGGGCACGCGGGCCATGGCTCCCTGGGCGGAGGCCGAGCACTCGGCG
CTGAACCCGCTGCGCGCGGTGTGGCTCACGCTGACCGCCGCCTTCCTGCTGACCCTACTGCTGCAGCTCCT
GCCGCCCGGCCTGCTCCCGGGCTGCGCGATCTTCCAGGACCTGATCCGCTATGGGAAAACCAAGTGTGGGG
AGCCGTCGCGCCCCGCCGCCTGCCGAGCCTTTGATGTCCCCAAGAGATATTTTTCCCACTTTTATATCATC
TCAGTGCTGTGGAATGGCTTCCTGCTTTGGTGCCTTACTCAATCTCTGTTCCTGGGAGCACCTTTTCCAAG
CTGGCTTCATGGTTTGCTCAGAATTCTCGGGGCGGCACAGTTCCAGGGAGGGGAGCTGGCACTGTCTGCAT
TCTTAGTGCTAGTATTTCTGTGGCTGCACAGCTTACGAAGACTCTTCGAGTGCCTCTACGTCAGTGTCTTC
TCCAATGTCATGATTCACGTCGTGCAGTACTGTTTTGGACTTGTCTATTATGTCCTTGTTGGCCTAACTGT
GCTGAGCCAAGTGCCAATGGATGGCAGGAATGCCTACATAACAGGGAAAAATCTATTGATGCAAGCACGGT
GGTTCCATATTCTTGGGATGATGATGTTCATCTGGTCATCTGCCCATCAGTATAAGTGCCATGTTATTCTC
GGCAATCTCAGGAAAAATAAAGCAGGAGTGGTCATTCACTGTAACCACAGGATCCCATTTGGAGACTGGTT
TGAATATGTTTCTTCCCCTAACTACTTAGCAGAGCTGATGATCTACGTTTCCATGGCCGTCACCTTTGGGT
TCCACAACTTAACTTGGTGGCTAGTGGTGACAAATGTCTTCTTTAATCAGGCCCTGTCTGCCTTTCTCAGC
CACCAATTCTACAAAAGCAAATTTGTCTCTTACCCGAAGCATAGGAAAGCTTTCCTACCATTTTTGTTTTA
AGTTAACCTCAGTCATGAAGAATGCAAACCAGGTGATGGTTTCAATGCCTAAGGACAGTGAAGTCTGGAGC
CCAAAGTACAGTTTCAGCAAAGCTGTTTGAAACTCTCCATTCCATTTCTATACCCCACAAGTTTTCACTGA
ATGAGCATGGCAGTGCCACTCAAGAAAATGAATCTCCAAAGTATCTTCAAAGAATAAATACTAATGGCAGA
TCTGCAAAAAAAAAAAAAAAATTCTGAGATGCTTTCTAAAACCAACCAACTGATAAAAAGTAGATGAGACT
TCTCCAAGCTGCTTCACAAGCAAACTAACCGAAAAACNNNN
Table3 4964
NNACCTTGAGGGGGCAGTGAAGCTGCTTGCCTCTGGTGTGAAGACCCACTGCCCACCCTGCAACC
CAGGCTTCTTCAAAACCAACAACAGCACCTGCCAGCCCTGCCCATATGGTTCCTACTCCAATGGCTCAGAC
TGTACCCGCTGCCCTGCAGGGACTGAACCTGCTGTGGGATTTGAATACAAATGGTGGAACACGCTGCCCAC
AAACATGGAAACGACCGTTCTCAGTGGGATCAACTTCGAGTACAAGGGCATGACAGGCTGGGAGGTGGCTG
GTGATCACATTTACACAGCTGCTGGAGCCTCAGACAATGACTTCATGATTCTCACTCTGGTTGTGCCAGGA
TTTAGACCTCCGCAGTCGGTGATGGCAGACACAGAGAATAAAGAGGTGGCCAGAATCACATTTGTCTTTGA
GACCCTCTGTTCTGTGAACTGTGAGCTCTACTTCATGGTGGGTGTGAATTCTAGGACCAACACTCCTGTGG
AGACGTGGAAAGGTTCCAAAGGCAAACAGTCCTATACCTACATCATTGAGGAGAACACTACCACGAGCTTC
ACCTGGGCCTTCCAGAGGACCACTTTTCATGAGGCAAGCAGGAAGTACACCAATGACGTTGCCAAGATCTA
CTCCATCAATGTCACCAATGTTATGAATGGCGTGGCCTCCTACTGCCGTCCCTGTGCCCTAGAAGCCTCTG
ATGTGGGCTCCTCCTGCACCTCTTGTCCTGCTGGTTACTATATTGACCGAGATTCAGGAACCTGCCACTCC
TGCCCCCCTAACACAATTCTGAAAGCCCACCAGCCTTATGGTGTCCAGGCCTGTGTGCCCTGTGGTCCAGG
GACCAAGAACAACAAGATCCACTCTCTGTGCTACAATGATTGCACCTTCTCACGCAACACTCCAACCAGGA
CTTTCAACTACAACTTCTCCGCTTTGGCAAACACCGTCACTCTTGCTGGAGGGCCAAGCTTCACTTCCAAA
GGGTTGAAATACTTCCATCACTTTACCCTCAGTCTCTGTGGAAACCAGGGTAGGAAAATGTCTGTGTGCAC
CGACAATGTCACTGACCTCCGGATTCCTGAGGGTGAGTCAGGGTTCTCCAAATCTATCACAGCCTACGTCT
GCCAGGCAGTCATCATCCCCCCAGAGGTGACAGGCTACAAGGCCGAGGCGGGCAGATCATGAGGTCGGGAG
ATTGAGACCATCCTGGCTAACACGGTGAAACCCCGTCTCTACTAAAAATACAAAAAATTACCCCGGCGTGG
TGGCGGGTGCCTGTAGTCCCAGCTACN
Table3 4967
gattattgttagagagttatttCCACGAAGTGTTTGTCAGTTTGTTGGACATTTGAGACCCCAGG
AAATCCCCTTTCTCGTAACGTTCTCCGCTTGGATCTGATCTCAACAGGGTGTCGTAGTCATTCTTCAGCAC
AATTCTTAATTGGAGACCAAGAACCCTGGGCCTTTAGAGGTGGTCTAGCAGGAGAGTTCCAGGTATCAATA
TGAATTCACAACTGAATTGACATTTTCTTTGTTTTATGAGAAACCTTATGTTGCGCATCAGATGGCTGGAA
GGATTGGTCTGCCGAAGGCTTTCTAGTCCCAAATTCAATTTAGTTACATAGCTGGATTTTTAAATCAAATT

Table 6
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TTCCTCCTCTTTCACAGTAATTTCTGAAGGAGATGCTGCCAATCCCCCCCGCGCCTGCGAAGCGCAGCGGC
TCTAGGTATACACTTCACATTGTTTCTTTGCAGGTCGCACAGCATTTTAATCTGCGCCCGCAATGCACAAT
GCGCGCATGCTTGTCTGCCAGTGGAAGCTCCATGAACAAAAGATAGTAATTATGCCAATAAATGGTGAAAG
AGCTTTTGGATATTTATCCAATTATTTTATAAATATAATGTGCTTGAAAGAATTGTCCATTGCTGAAAATA
TGAACAAAATAGGAAGTTTTTTTGCTGCTGGAATTTGTTCATGGACTTTCTAGGTGCTCTACTTTTCTCCC
CCCAACAGGTGCTCTGCTGCGCACAGCAAACTGAAGCGCATTGCTTTGGGGATAAAGCGTCTCCTGGACAG
ATAACCCTCTTCAGACCAAACCTCTCCTCCTGACATTCTGTTCTGCCATCTTATCGTAGGGAGATGGTCTA
TCTAAGATAGGTTTTAAAAAAAAATAGATTTGTCATAATTGGAATAGGTTTGTTTTTGTTTTTGTTTTTGT
TTTTACTGTAAATTTAAATCCCCATTAATATGCCACTAAAGCTGTAACTCAGAGTGGGTAATTTCTATTCA
GAAGCACTCCCCTCCCCCAGCAAAGAGGTATTTCTATTAGTAAAGCATAGTACACCCCTCTTCTTTAGGTC
TGCCTGCAGTAGCCAGTTAATATAAGTTGGTAATCTGCAGTGCACACCCATTTAAAAAAATGGATACCTTC
CCCAAACTAATCCATCTCCTTTTTTTTCTTCCCACAGCGTTTGCtgccaATTgatggggcaaatGatctct
ttttttcagccacctccactgactcctaccTCcAAAGTTTATACTATCAGACCTTATTTTCCTAAGGATGA
GGCATCCGTGTACAAGATTTGCAGAGAAATGTATGACGATGGAGTGGGTTTACCCTTTCAAAGTCAGCCTG
ATCTTATTGGAGACAAGTATGTGATAAGTATTTGGATTTGAGAGTAGACCTTTCATAGTGAGGCTTATCAG
GTTGAGGGGAGGTGATGACTGGAAATATATTTATTTATTTTAAATCCCACTTTGGCTTTAGTAAAATCTGA
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GATCACTGAAGTCTGAATTTTATATTAGCAACTGAAAAGTTTACTGTGGCCTCTTTCCTTCTGAGCAGGTT
AGTAGGAGGGCTGCTTTCCCTCAGCCTGGATTACTGCTTTGTCCTAGAAGATGAAGATGGCATATGTGGTT
ATGCCTTGGGCACTGTAGATGTGACCCCCTTTATTAAAAAATGTAAAATTTCCTGGATCCCCTTCATGCAG
GAGAAGTATACCAAGCCAAATGGTGACAAGGAACTCTCTGAGGCTGAGGTAATACAAAGGTTAAGAATTAT
ACTATGGTAATGGTCTTTTTTATTTATTTATTTTTATTTTTTATTAAAGTACTTACTAAAATGGAAAAGTA
CATAGATACATCATAAAATCTTAGTGCTTTCTAAATTAATTTTCTTGCAGAAAGAATTCTTATGGCTTATT
CTTAGCATGACATTTTTCACTGTTTCCCCAATATTGGGACAGTTTTTTATTTGGGAGTACTATTGTAATAT
TTCCTCAgGTGAAAACacaaTAAAGACaaAGaACAtTTTTTTCcTCTGTTttAAAGTTTCATACTTAaaga
tgttATGGTCTTGgtc
Table3 4968
NNNAGCTGGAGACAGATTGTAGGACCGAGCGCGGGCGAGGCTTGAAGTGTGGGGAGAACTTGGTC
TCCTCTCTGCTATATGAAATATGGGAGACGACAGACCGTTTGTGTGCAATGCCCCGGGCTGTGGACAGAGA
TTTACAAACGAGGACCACCTGGCAGTTCATAAACACAAGCATGAGATGACATTGAAATTTGGCCCAGCCCG
AACTGACTCAGTCATCATTGCAGATCAAACGCCTACTCCAACTAGATTCCTGAAGAACTGTGAGGAGGTGG
GACTCTTCAATGAACTAGCTAGCTCCTTTGAACATGAATTCAAGAAAGCTGCAGATGAGGATGAGAAAAAG
GCAAGAAGCAGGACTGTTGCCAAAAAACTGGTGGTATTCAGACCTAGGCTATTTTTATTGTGCTTTGGGAT
AATTTTCTTAATTGGTTAAAACACAAAATCATGGGCTTAGTAGAGTAAAACCAGTAAAACCAGATAGTAGT
CACTAATCCCAGTCAGCCATTCAGGTCTTTAGGAGTTCCAGATGATGGATCAGCACAAGTCTGTCGTCACC
GAAAATTAGTCCTCTTGTTCTTCCAGGGGAGTATTAGTTTAATAATCGGTTTTTTAAAAAATATTTATATT
ATAAATATGTTGAAGATGTTAAAAGGTGATAAATTACTCAGATTTTGTTGGATAACATATTTGTTGCCAAA
TTCCACTCTTTTCTGAGCTGATCAGACTTCTCAGCTACACTGTTTTTTTGAATCAGCAAGTCAATAAACAT
TTATCAAATTTCCACTCNNNNNNNN
Table3 4969
ACAAAGGGCAGCCCTGCACGCTGGAGGGACTTCCACTCAGCCACAATGCTGGGAAGTCACATGTA
TGTCTTTGGGGGCCGTGCCGACCGCTTTGGGCCATTCCATTCCAACAATGAGATTTACTGCAACCGCATTC
GAGTCTTTGACACCAGAACTGAGGCTTGGCTGGACTGTCCCCCGACTCCAGTGCTGCCTGAGGGGCGCCGG
AGCCACTCGGCCTTTGGCTACATGGGGAGCTGTACATTCCTCATTAGATTGTGGGTTTCAAGTTTCCATTT
GCAATTTGAATGTTTCCAGAAATCTCTGTCTTAACCAAACCTCTCTCTCCAGGCACGATTCTGCACATGAG
TCTGATCTGTGTAGAGTAGTATCATCAAAAATGCCAAATTTTGATCAGGAATATACCTGGACTACTCTCTT
T
Table3 4970
CGAGGGAAGCGAGCCCGGGCGCCGGCGGGCGGCCGTCGCGTCTGACAGACCACTGCAGACCACGG
GCCGAGGCCCAGCGCCCGTCCGCAGCGCGGCCGGCATGGCGGCGACAAGGAGCCCCACGCGGGCAAGGGAG
CGGGAGCGGTCTGGCGCTCCCGCCGCGCAGGAAGTGACCAAGTTCACTCCTGGATGCTAGCTACAAGCCAAGC
CTTAGACACTGTCTGGAGAATGGCAAAAGGCTTTGTGATGTTGGCAGTTTCATTTCTGGTGGCTGCCATCT
GCTACTTCCGGAGGCTACATTTATATTCAGGGCACAAGCTGAAATGGTGGATTGGATATCTGCAGAGAAAA
TTCAAAAGGAACCTCAGTGTGGAGGCAGAGGTTGATTTACTCAGTTATTGTGCAAGAGAATGGAAAGGAGA
GACACCCCGTAACAAGCTGATGAGGAAGGCTTATGAGGAGCTATTTTGGCGGCATCACATTAAATGTGTTC
GACAAGTAAGGAGAGATAACTATGATGCTCTCAGATCAGTGTTATTTCAGATATTCAGCCAGGGCATCTCT
TTTCCATCATGGATGAAAGAAAAGGACATTGTTAAGCTTCCTGAAAAACTGCTGTTTTCACAAGGTTGTAA
TTGGATTCAGCAGTACAGTTTTGGTCCTGAGAAGTATACAGGCTCGAATGTGTTTGGAAAACTACGGAAAT
ATGTGGAATTATTGAAAACACAGTGGACTGAATTTAATGGCATTAGAGATTATCACAAGAGAGGAAGTATG
TGCAACACCCTTTTTTCAGATGCCATTCTGGAATATAAACTTTATGAAGCTTTAAAGTTCATCATGCTGTA
TCAAGTCACTGAAGTTTATGAACAAATGAAGACTAAAAAGGTCATTCCCAGTCTTTTTAGACTCCTGTTTT
CCAGGGAGACATCCTCTGATCCTTTGAGCTTCATGATGAATCACCTGAATTCTGTAGGCGACACATGTGGA
CTAGAGCAGATTGATATGTTTATACTTGGATACTCCCTTGAAGTAAAGATAAAAGTGTTCAGACTGTTCAA
GTTTAACTCCAGAGACTTTGAAGTCTGCTACCCAGAGGAGCCTCTCAGGGACTGGCCGGAGATCTCCCTGC

Table 6
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TGACCGAGAACGACCGCCACTACCACATTCCAGTCTTTTAAGTCCGCTGGGGGCCGAACAGCAGTGCTCAC
CAGTGACGGTGGTCACAGTTGCAATAAAGTCTCTCTCTGAAACCAAAGCTAGCATTTCAGCATGGAAGGAA
TTAGGACCTTTTCTTCAGGATTACAGGTACACTGGATGCAGCCATGCATGGATGGTTTTTCTTTATTTTTC
AGTGATTTCCTCTGAAGCAGCTGCACTGATACATTTGGGAGTTGGTGGCTTGACTTTGTCCATAAGGGGCG
TGGCCACTTCACATGATGGCGGGCCTTTAAGAGCACAAAGAAGTTTAATATGGACAACAACAGGAAAAAGC
AAGAAGAAAACAAGTAGGGAAAAACAGCTAACCTGGAGAGAAAGAATTTCTTTAACCTTTATGTTCTTCAT
TAAAAATCTTATCTTGGACTGATTTGAGGGATTTTTAGAAACATGGCCTTATTTTATATAAGCATTACCTT
CCCAGGAATCTTTGTTGTATATTAATTTTTGATAACCATTTGATTAACTTTAAAATTAAGTATATGTGTGT
ATATATACATATGTATGTTTATATACACACATGTATCTGTATAGTTTTATATATACATATATACACATAGA
CATACAGAGAACCACTACTTTGTAATAGTGTACAGTTTGTTTTATATCTCTTTACTTTTTTTGTTACTATT
TTATCTGGCCAGCGTAATAGTTTTATTTAGATTTTTTAAAATTCTGTAGATTAAAGCAAATGACAGTTATT
GAACTATCACAAAACTATTAAACTGTGGTACATTTAATGTGGTTACCAAAAAAACAGGAGAGAGAACGAGG
AAAGAAAAAAAAAAAGGGGGGGGGGCGCGCGCGAAAGGGTTAAAACATGGGGGGGGGGGGCCCCAGGGAGT
ANNNNNNNNNNNNNNN
Table3 4973
ACGCGGGGGAATTCCGGAGGCGGCATTCGGTGGTCAGAGGCCTGTGCGGCTGCAGGTAGAGTGTC
TTAGGAACCTAGGAAATAACTCGGAACCTGTAACGTCCCACTGGTTTGGACATATTCCTCTCCTGATCTGG
CCTCATCTGTTCCAGGGAGGTGGGATTGAAACATATGCAGTAATGTCACCTCAAAAGAGAGTTAAGAACGT
CCAGGCACAAAACAGGACTTCACAAGGTAGTAGTAGTTTTCAGACCACGCTTTCAGCCTGGAAAGTAAAAC
AGGATCCAAGCAACTCGAAGAACATCTCAAAACATGGACAAAACAATCCAGTGGGAGATTATGAACATGCT
GATGATCAAGCTGAAGAAGATGCTTTGCAAATGGCAGTGGGATATTTTGAAAAAGGTCCCATTAAAGCTT
Table3 4975
NNNNNNCCAAGAACAGGGAGACAGGGCAGCTGGTGGCCCTGAAGAAGATCAGACTGGATTTGGAG
ATGGAGGGGGTCCCAAGCACTGCCATCAGGGAGATCTCGCTGCTCAAGGAACTGAAGCACCCCAACATCGT
CCGACTGCTGGACGTGGTGCACAACGAGAGGAAGCTCTATCTGGTGTTTGAGTTCCTCAGCCAGGACCTGA
AGAAGTACTACTCGATTGTCAACGTCAAGGAGTCGCAGGTCGCCTGGTTCTAGGAATAATGGGGGAAGTAT
GTAGGAGTTGAAGATTAGTCCGCCGTAGTCGGTGT
Table3 4976
GGCTTCCTAGGACCCATTGTGAACCTCAGCGAGCCCACCGCCCATGAGGGGTCCACAGTGACCGT
GAGGTGCATGGCTGGGGCTCGAGTCCAGGTCACGCTGGACGGAGTTCCGGCCGCGGTCCCGGGGCAGCCAG
CTCAACTTCAGCTAAATGCTACCGAGAGTGACGACGGACGCAGCTTCTTCTGCAGTGCCACTCTCGAGGTG
GACGGCGAGTTCTTGCACAGGAACAGTAGCGTCCAGCTGCGAGTCCTGTGTGAGTCGGTCACCCTGACCTT
TAATCCCTCCACCCCTGCCCTGGAAAGATTAGACGCTCCTCTGCACCACTGTGCCTCGGGTGTGTTGGGTG
TCTGATCACACATGGTGGTTCCACAGATGGTCCCAAAATTGACCGAGCCACATGCCCCCAGCACTTGAAAT
GGAAAGATAAAACGAGACACGTCCTGCAGTGCCAAGCCAGGGGCAACCCGTACCTCGGCCGCCACCGCGTG
GAGCTCCACTCCAGCCGGGAGGTGCCGGAGGAGATCCCGTTCTTCGACAACN
Table3 4977
NNNGTGTTGCTGTTTTCCACCCATTTTATTATATTCTTAAAAGATGTAATTGTTGTCATTTTGAA
CAGTTAAACATCTTGAGTATAAAAAGAACCCCAATGTTATGTTATGCTTTGTAAATTTTTTTTTTGCTTTT
ACCTAGATAAACTTCTAGCTAATCAAATAAGGAAAGAAACTGTCTTTTTAAAGCTTCTTTTGTGTTAGATA
CTGTATTAGAGATCTGCATTTATCATGAGTTCCTTTTTTTTTTAACTTTATTTTTGGGAAAGTAACACATG
AAGTAGTTCAGTCATGTCAGGTTTGTCTGGGGTGGAATGGAACAGTCAGGTAGTTGAAAGTTTTTTTTTAG
AGATGAAAAGCTTGTGAACTCCTGTAAAACATGCTGTATTTGAAATACATCTGTTANNNNNNNNNNNNNNN
NNNNNNNNNNNNNNNNNNNNNNNNNCCTCGGCCAGCGCACCCAGGCACACGAGCAGGGACAGGGCGAGGGT
CAGTCCGGACAGCCCCAGTCGCTTGTTACCTAGCATGGTGGCTGGCGCGCGGGCGTGGCTGGGCGGCAAGT
Table3 4978
CAACCTAGCAGTTCAACCAATTTCTCTTTTAATAAAAGCTGCACATTACAGTGGTATAAATTTAT
CTTTTAAACACTCCACATAAAAACATGTGCACCCTCTCCTTCTACATTTAATCATTAGTAGTCTCTAAAAT
GGTAAAATAAAACTGAATTTATATTAGCAAATGAAAGTGCAAGTTTGTACGCGGGGGGTGGCCTTTGGGGC
CGAAGTGGGCGTGCGGCTCGCGCTGTTCGCGGCCTTCCTGGTGACGGAGCTGCTCCCCCCGTTCCAGAGAC
TCATCCAGCCGGAGGAGATGTGGCTCTACCGGAACCCCTACGTGGAGGCGGAGTATTTCCCCACCAAGCCG
ATGTTTGTTATTGCATTTCTCTCTCCACTGTCTCTGATCTTCCTGGCCAAATTTCTCAAGAAGGCAGACAC
AAGAGACAGCAGACAAGCCTGCCTGGCTGCCAGCCTTGCCCTGGCTCTGAATGGCGTCTTTACCAACACAA
TTGGGCTAGCCCATTCTGACTTGATGTGTACAGGGGATAAGGACGTGGTGAATGAGGGCCGAAAGAGCTTC
CCCAGTGGACATTCTTCCTTTGCATTTGCTGGTCTGGCCTTTGCGTCCTTCTACCTGGCAGGGAAGTTACA
CTGCTTCACACCACAAGGCCGTGGGAAATCTTGGAGGTTCTGTGCCTTTCTGTCACCTCTACTTTTTGCAG
CTGTGATTGCACTGTCCCGCACATGTGACTACAAGCATCACTGGCAAGATGTACTAGTTGGATCCATGATT
GGAATGACATTTGCCTATGTCTGCTATCGGCAGTATTATCCTCCTCTGACTGATGCAGAATGCCATAAACC
ATTTCAAGACAAACTTGTACTTTCCACTGCACAGAAGCCTGGGGATTCTTATTGTTTTGATATTTAAAAAT
TGAATCTGGCCGGGCGTGGTGGCTCATGCCTGTAATCCCAACACTTTGGGAGGCTGAGGAGGGTGGATCAC
CTGAGGGCAGGACCAGCCTGGCCAACATGGTGAACCCTGTCTCTACTAAAAATANNNNNNNNN
Table3 4984
ACCTTGGCTCCGGCTACTTCACTGCCATCCAGAACTTGAGGAAAAGTGAGGAGGAAGTGGCTGCC
CGGCGTGCGCGGGTCGTGTGGTGTGCGGTGGGCGAGCAGGAGCTGCGCAAGTGTAACCAGTGGAGTGGCTT

Table 6
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GAGCGAAGGCAGCGTGACCTGCTCCTCGGCCTCCACCACAGAGGACTGCATCGCCCTGGTGCTGAAAGGAG
AAGCTGATGCCATGACTTTGTCTGACNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNGAGACTT
CGTGGTGGTGCTAAGAAAAGGAAGAAGAAGTCTTACACCACTCCCAAGAAGAATAAGCA
Table3 4986
NNGGAACGCCTCAGGAATCCCTTACCTGGACTATCGTACCTACGCTATGCGAGTCCTGTTCCCGG
GCATCGAGGACCACCCCGTCCTGCGGGAGCTGGAGGTACAAGGAAACGGGCAGCAGCACGTGGAGAAGGCC
CTGAAGCTCTTTGCCCAGCTCATCAACAACAAGGTGTTCCTGCTGACCTTCATCCGCACCCTGGAGCTGCA
GCGCAGTTTCTCCATGCGCGACCGGGGCAACGTGGCTTCGCTCATCATGACCGGCCTGCAGGGCCGCCTGG
AATATGCCACTGATGTCCTCAAGCAGCTGCTCTCTGACCTCATCGATAAGAACCTGGAGAACAAGAACCAC
CCCAAGCTGCTACTCCGGAGGACAGAGTCTGTGGCTGAAAAGATGCTGACCAATTGGTTCGCCTTCCTCCT
GCACAAGTTCCTAAAGGAGTGCGCAGGGGAGCCACTCTTCATGCTATACTGTGCCATCAAGCAGCAGATGG
AGAAGGGCCCCATTGATGCCATCACGGGCGAGGCCCGCTACTCCCTGAGCGAGGACAAGCTCATCCGGCAG
CAGATCGAGTACAAGACCCTGATCCTGAACTGCGTCAACCCTGACAACGAGAACAGTCCAGAGATCCAGTG
AAGGTGTTAACTGTGACACCATCACACAGGTCCAGGCACGAGATTCTTGATGCCGTGTTAGAATGTGCCTA
TTCCAGGGGCCGAGGCCAGTGGACATGGCCTTGGAGTGGGCCAAGGCGGATCGCCCGGGCGGCTGAGATGA
GGCTCTCCCAGATGGGCGGTGCCGGACGGCCAAACCTGTGTGTTTTCGGGTGCAGCTGGGGGTCGGTGGTC
CACAAGACCCTTGAATCTGCGCTGCGATCGGCGGGACGAAGAACCTCTATGTGGGCCCGTGGCGCCCCACA
CCCAGGGGGGGTACACCAACGCGGGACGATCCCCGCCCGAGAGTCTGTTGGCCTATCNNNNNNNNNNNNNN
NNNNNNN
Table3 4987
NNGACGCACGATTGCAACATCGAAGCCCCTCGGATTGGGCCGCGCGCCATTGGGTTGGTACCCGG
GAATTCGGCCATCATCGGCGAACGAGTCAACCGGATCGGTGACTGTGGAGGGCGAGCTGAGCCCTGGCCGC
CGCCACAATGGGCCGCGAGTTTGGGAATCTGACGCGGATGCGGCATGTGATCAGCTACAGCTTGTCACCGT
TCGAGCAGCGCGCCTATCCGCACGTCTTCACTAAAGGAATCCCCAATGTTCTGCGCCGCATTCGGGAGTCT
TTCTTTCGCGTGGTGCCGCAGTTTGTAGTGTTTTATCTTATCTACACATGGGGGACTGAAGAGTTCGAGAG
ATCCAAGAGGAAGAATCCAGCTGCCTATGAAAATGACAAATGAGCAACGCATCCGGATGACGGTTCCCTGT
CTCTGAAAGACCTTTCTCTGGAAGAGGAGTCTGGAAGAGGAGTCTGCATTGTAGTGTCTCAAAGACACAAT
AAACTTCCTATGGTCTGCAAACAACAAAACAAACAACAACCCACAAACACATTTGCGGCGCACTTGGCCCC
CAAAAACGATCACACAACAAAACAAATGGTATAACTGCACAGCGCACCCACAGCAGGACAGCGGCACCCTG
GCCCAAAAGCAGCGTGTCCCCAAGAGAACCCTGGCACACGCAAATCAGCGGTGGAGACACCACACAGCAAA
AAAAAACACACGCCCGCGCGTCCACACCACGAAGTACGACACAAACCCACCCACTAGCCCCACCCGGGAGC
CAAACAAAGGGCGCACACAATGAAACAGAGCGGGCCACACACAAGCAGAATACTCAAAATTAGCCACCACC
CACGAGGAGAGACAGAAAACAAAACAAAAACAGACAGAAAAGAAAAACACAGATACAAGACAACCACAA
CCACGACACGCACCACAACAGTCAAGACAACGAAAAGGACAACAACAAGAGACAAAAGAAACAACAAAACA
ACAAGAAGGACAGAGAAGAGGAGAAGAGGAAACAGAAGCCGGAAGACAGACAGAGAGAAGAAGAAAAGCGA
CGAAAACGGGGGAAAAAGAAAGAGCAAGCGCACGAAGCCCAGCAACACAGAGACGACAGAGGAAAGAAAGA
GAAGAACGAGTACGAACAGAAACAGAAAACCGAAAGACAAGCGGGCGCAGCGAGCCGCACGACCGAGACAC
AAGGAAAGAACAACAAAGAACGAGAGAAGGAGCAAGATAGCGGAGAGCGAGAGAGTGCGCGACAGATGAGA
CAGCGCAAGCGAGAGACCAGAAAGAGGAACACCAGAACGAGAGACGAAGGGAAGAGCGGCAGGGGGAGAAG
AGGGAGGAGAGACAAGAGAGCAGAACACGAGAGAAGGAGAGAGACGAGCAGACGACAAACAGAGGAGAACG
AGAAGGGAGCGGAGGAGAGCAGAAGGGCATGAACGAGAAGAGGAGAAAGAGAAGCAGGCGCGGAGAGAGAA
GGAGAAGGCGAAGAGGAGACAAGCAAGCAGAGGAAGCGCGGGAGCCANNNNNNN
Table3 4988
NNNNNCTCGGCTTCCATGGGCCTAATTTACAGATAGGGCGGTATTTCTGCCCCTTAACCGAAAGT
GGGATACAGAGGACGACGGTGTTAGGCGCCTGTGTAGGAGTAAAATGTGTTTATTTGCATTCAACGAGAGC
TCCTGCATGCAGCTATTTGCATATGATTGCATCTTACGAAGAATTGTGGCAAAAAAAAGCTGGGCGTGCGC
CGTAGGAACCTCCTGCTGAGACGCTTCCGGTAGCGGCGCGTGACCCGACAGGTCTTTCACCTACCTACCTC
AGCTCCCACAAACACGAGAAGTTCCAGCAAGTTCGCCACTTCCGGTTCTCCTGGCTATCCAATAGCATCGA
GTGGAGCATCCCCGGAAGTGAGGCAGCGGAGGACGACCTTTTTCCGGTTCCGGCCTGGCGAGAGTTTGTGC
GGCGACATGAAACTGCTTACCCACAATCTGCTGAGCTCGCATGTGCGGGGGGTGGGGTCCCGTGGCTTCCC
CCTGCGCCTCCAGGCCACCGAGGTCCGTATCTGCCCTGTGGAATTCAACCCCAACTTCGTGGCGCGTATGA
TACCTAAAGTGGAGTGGTCGGCGTTCCTGGAGGCGGCCGATAACTTGCGTCTGATCCAGGTGCCGAAAGGG
CCGGTTGAGGGATATGAGGAGAATGAGGAGTTTCTGAGGACCATGCACCACCTGCTGCTGGAGGTGGAAGT
GATAGAGGGCACCCTGCAGTGCCCGGAATCTGGACGTATGTTCCCCATCAGCCGCGGGATCCCCAACATGC
TGCTGAGTGAAGAGGAAACTGAGAGTTGATTGTGCCAGGCGCCAGTTTTTCTTGTTATGACTGTGTATTTT
TGTTGATCTATACCCTGTTTCCGAATTCTGCCGTGTGTATCCCCAACCCTTGACCCAATGACACCAAACAC
AGTGTTTTTGAGCTCGGTATTATATATTTTTTTCTCATTAAAGGTTTAAAACGTAAAACACTAAAAAACAC
ACCAAATACAACAAAACCCGGGGGGTCTAATTAGGGGGGGGGACACAAGGGGTCACTGGCGTGGGGCAGGG
GGAATCGGGTCCCGGACACATTTGTTTGGTTCAAAGACGGGTAAAAACCGCGGGACCCCAAATGGGGGCGA
AATAACTTACGAACCGCGGTACCGTTAGAACTCCAGCAACGAACCAGACAGCGGAGACCGAACGGCACAGC
TACGGGGGCCAACCCTATGACAGAACGGGGCAGACACAAGATACACAGCACACCGTCACGCCACACGCCAC
CACACCACCGAACACAGCATCACAGAGAGGGTCGGCGACGTGCGCGACAGCTGCATACGACAAGGGCGGCC
TGTGCACCACGAGACCAGCCTACAACAGACAGACGACAGCGACGACAGAGCCAATGGCGAACGCANNNNNN
N

Table 6
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Table3 4991
NAGCGGGATTATCCAGAAGTTTGGGATTTGGATTTTTGGACTGGCTGTGCTCAATCTATACAAGC
ATTTCTGGTGCCATGATGAGGCATAAAATGTTCATTTTAAACATGTTATAAACTCGTGTTTTTCAAAAAAC
TTCATTTAATACAAATAGTTGCTTAAACAAGTATGAAAGGCTGAAAGTCAAAATCTGCCTGAGAAACTTAA
CAAATCTGCAAGCTGGAAACCGCGTCTTTTCCCCACTCTCTGCCAGACAGAATCACCCAGTCCACTTTCAG
GGGCCCAGCAGGGAAGCTGATTTAAGAGAAGTCAACAGCTTTTCTGACTACACTGTGGATTCCATCAGTGC
ACAGGCACCTGCAGGGCTGCAGTAAGCATCTCTGATGAGGTGGTCCCGGGCACTCACTCGCAGTCTCCCTC
CTGGTTTCCTTGTGGGAAGGGGCTTCATGATTTCAAGCTCAGTTCCCCTCCCACTCCCAGAGGTGGAGCGC
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CACGTGTGGTGGCTGCTGTAGCCTGCAGCCAGGTGCCATTCTTCCTCATGCCCTCTGTGAGTGGCTTCATT
CCACTCTGGGGTCTGGCATGGCCCTCCCCATCGTTATCCTCTCTGCATTCATGACAGGGTGTTGGCAACTC
GCTTGCACCCTTCAGGTCTGCCGTCTTGGTTCCTAGGTTGCTAGGAAAGGACCACGAGGGGGCCCGCTGCA
GAGAACGGAAGAGCAGCCAGGACCAGTCGGCTCCATACACCAGCGAGTCGGGCAATGTGTGAGATGTCAGG
ACCGTCGCCTCCTGCCTCTCCTCCATTGCCTTTTGGCAGTTGAGGATCTTAAAGCCACTGTGCATGCAGGC
GGCCAGGAGCAGGTGGTGGTGGAAAGGGTGCCACTTGATTCTCCATACCCCACCCTGCACAGGCGTATCTG
CCAACGGCTGCTTCATGTTTCGTGTGTCCCACAGTAGGATGTGTTCATCATAGCTTCCCGTGGCCAGGATG
TGCTCCCGATGAGGGCTGCTCTGGATGCTGCACACACCCTATGGTGTGTCTTTTGCTGGTGAAGAGAAATT
TGCCGGGTACCCTGGTGTCCCAGCCCCTCAGAAGGCCATCGTCGCCCCCTGGGTGACTCTGTCTGTGAGGA
AGCTCCCCTGGGTGACTCTGTGAGGAAGCTCCCCGGACGCGTGGGTCGACT
Table3 4994
NACGAGTTGGTTTGGGAGCTGCCAGTCTCCTGGGAGGATCGCAGTCAGCAGAGCAGGGCTGAGGC
CTGGGGGTAGGAGCAGAGCCTGCGCATCTGGAGGCAGCATGTCCAAGAAAGGGAGTGGAGGTCAACCACAG
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CAGAGCGTGGACGAGGCCATCAAGTTCATCAACCGGCAGGAGAAGCCCCTGGCCCTGTACGCCTTCTCCAA
CAGCAGACAGGTTGTGAACCAGATGCTGGAGCGGACCAGCAGCGGCAGCTTTGGAGGCAATGAGGGCTTCA
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GGTCAGGGTTGGCCAGGCCCAGTCACAGGGGCAGTGTCACCCTGGAAAATACAGTGCCCTGCCTTCTTAGG
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TCTCTGCACCACCCCTCTGGTTCACACCGCACCCTGCACTCACCCACAGCAGCTCCATCCACTGGGAAAAC
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GACCAGACACAGGGCGTATGGAAAGCACGTCCTCAAGACTGTAGTATTCCAGATGAGCTGCAGATGCTTAC
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TTTTAAGGGGGGTAAAATCCCCCCTGGGGAAAAAAAGGGGAAAAAGGGNN
Table3 4995
ACGCGGGGAGAAACCCTCATAAAGTAGATGCAGAGGGCAGTAAGATATAACTCAACTTTGAAAAT
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TAAGACATAAATTTGTAATGAACTGGGCCCCACATCCGCCGCCACTGTGACTTGCAGTCATCATCCATTAC

Table 6
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CACAAAATTAGTTGCAGGATGGCTACTCGTATCCCTCCACACATGATCATCAGTATTTGCCTCCTGTGTCC
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AACCTTCACTTCCCAGGTTCAAGAGATTCTTCTGCCTCAGCCTTCAAAGTAGCTGGGATTACAGGGTTACG
ACTCACTGANNNNNN
Table3 4996
NATAGGGCGGCAGCAGTACGAGGCCTGGGCGGATCATCCGCTTCCGGAGTCGAGGTTTTCGGGCT
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TCACTACTCTCCTCTGCAAGGCCTACCGTGGGGGCCACTTAACCATCCGCCTTGCCCTGGGTGGCTGCACC
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Table3 4997
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Table 6
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TGCAAAATCCAAGCATAGTTGGAGAAAACAGATAGAAGACCAAATGACCAGGCTATGTTCTCCGAGTTGCC
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CAATGGCCTCTGCTTTACCTGAGGCTCTTTGCAGTCAGTCCCGGACTACCCCAGTAGATCTCTGTCTTCTA
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Table3 4998
NNNNNNNNNNNNNCGAGGGTACTTCTAGAATTAATTAACGCGGGGGGAACGGTTGCCATGGCAGC
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Table3 5001
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CAATTAAGTTATTAACATTTGGGACCTGGATAATTATATCAGAGTATGTCAGTCCAATAAATTATTTAACT
AATTAAAAAATAGTTGCAAAGCATTTGAGCTGTGGTTGAGGAAGTGGTGTAAAAGTGCATCCATTAGGAAT
GATGCACTTTCATTAGGATGGACTCGTGTCTGATTAGAATGTCAGTTGATCAGCTAGATTTGTGTCCACAC

Table 6
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TACCAGTTTCACACCCCCTTTCCATCTGTTTGATACAGTATTATAGATATAAATATATATATATTTCTCTG
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TATTTATCAGTAGATAATACTGTTCTGACTGTATATACAGTCTAGAACTCACAAATCAATTAGTTCCTCTC
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AGGCAGAGACACAGGTGCTTTTTGGTGACCCAGTGGATATGGCAACCAGTGTAACTGCCATACAAGAAACC
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CATGTCAAAAATAAAGATTATACAAGGCACCAAACTACTAGATTTGGCATTAAAACAAATGTTTATTTCTA
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Table3 5002
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CTCACACTGTCAGAGGACATCGTGGATGGCCATGAGCGGGCCATGCTCAAGCGGCTCCTGCGGATCGACTC
CAAGTGTCTGCACTTCACTCCCAAGGACTGGAGCAAGAGGGGGAAGTGGTGACCAGACACTGCCCACTGCA
GTGCCAAGACGGCAGCAGGACTGGGGCTGATAGCCCACCCCGCCCCCACTGCAGCTCCCACAAAGCACTCT
AAGGGAGATGGGGCTGAGGACAGCTCATAAAGGAGAGGACAGGCCTGGCAGGGGCCCACTGGTGCCCAGCA
CCAAGGCGAGCTCCGGGCTCAGACCAACTCCAAGGTCAGCTGGCCACAGGCCCAGGCCTCCTCTGAAGCAG
GGACCAGAGGGAGCCACGCACCTGTGTACAGTGAGAAGGGATCCGGATGGGGGCGCTATGTACAGAGGGCT
GGTGATTGTAAAAATTTCTTTTGTAAAGTAGAAGTTGGGGGTGGGGTGGGTGCTGGCTGCAAAAATTTCTG

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GCTTCTCTTACCCCTATTGCCCCCGGCAATAAATTGTTTCTATATGCCAGAGCCATCCAACAAGGCCGACT
CGATGCN
Table3 5003
NTAGAGCGGCCGTGAAGTAGCCCCCCAACTTGCTGGCGTGCTGCTTCTTTGGGAACACCCCTGGG
TGGCGTTTCATGTAATGGGACACGATGCCCTTCTTGCTGAACGACTGGAAAGAGCACAAGGAGCACTTTTT
CTTCTCCACTGCCCGCCGGAGTTCCTCGCTCAGCTGAGGGGAGTCGTCCTTGGGCGGGGATGGGATGATCA
CTTTGTTGGGCTTGTCGCTGATGGTCCTGGAGGCTGCCAAGCAGTGAGTGTAATACGCATCAATGTCGTGG
CGCTTCTGGTAGTGGGCTGCCAGACCTTTGCGGATGGGGTTGGTGTAGGCACACAGGGCACACTTGAAGAG
GTTGTTCTTGCCTTCTGGCTGGGCTCGGACATTATTGTGCTTGATGCGGTAGTGCCTGGCGATCCCCTTCC
TCGTGGAGCAGAAGTACGTCNNNNNNNNNNNN
Table3 5004
NCGACCCACGCGACCCACGCGTCCGGAGACGCAAGCAGCTGGATCTCCGGTAACTGAGACATAGG
GTATAACTGTTGTCGCGGCGGAGGAAGTGAGGACGGCGCCAAGGGCCTTCCGGGCCAGTGTTGGATCCCTG
TAGTTTGTGAAGATGGTGTTGCTAACAATGATCGCCCGAGTGGCGGACGGGCTCCCGCTGGCCGCCTCGAT
GCAGGAGGACGAACAGTCTGGCCGGGACCTTCAACAGTATCAGAGTCAGGCTAAGCAACTCTTTCGAAAGT
TGAATGAACAGTCCCCTACCAGATGTACCTTGGAAGCAGGAGCCATGACTTTTCACTACATTATTGAGCAG
GGGGTGTGTTATTTGGTTTTATGTGAAGCTGCCTTCCCTAAGAAGTTGGCTTTTGCCTACCTAGAAGATTT
GCACTCAGAATTTGATGAACAGCATGGAAAGAAGGTGCCCACTGTGTCCCGACCCTATTCCTTTATTGAAT
TTGATACTTTCATTCAGAAAACCAAGAAGCTCTACATTGACAGTCGTGCTCGAAGAAATCTAGGCTCCATC
AACACTGAATTGCAAGATGTGCAGAGGATCATGGTGGCCAATATTGAAGAAGTGTTACAACGAGGAGAAGC
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ACTTGAACATGCGTTCCACTTATGCCAAACTTGCAGCAGTAGCTGTATTTTTCATCATGTTAATAGTGTAT
GTCCGATTCTGGTGGCTGTGAAATAATGAATACAGTCACTGGTAAGGGAGAACCTAGAACCCAGTAGGTGT
ATATTTTCAGGAAACTGAGCTCACAGAGATGTGTATTAGAATCCAAGTGGAACTTCTGCCTCTAAAGACCT
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TCTCTTTCGGGGGCAGAGGCTTTCTCTGGGTGCCAAGCCATATATATTAGGGAATAGTAGATTGTTAATTT
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AATGAGATTTAACTTAGTCAACCTGTGCTAGCAACATTCTGAAATTCCTTCAAAGAAGGCAGTCCTTTGGG
AAGGTGTTTTTTTTTTTTTTTTTTTTTTGACTCTAATCAACATTCCTTTTGTTGGTGACATTTGTGATTT
TCAGTAATCTGAGTTTTTGATGGCCTTTTAAACAAGACTCCAGTATGTGAAGGTTAATTGCTGTGCTCCAC
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ATTTGGTTTGTTATTAGCGTAAGAGCAAGTATAGGATATGGAGAGGCCCCTGGCTTCATGAGAACAAAGGC
AGGCCCAGGTTATAATTACAGCTTTCTCCTGCCCCTTCTTTACTTTCTCTACCACAGTTTTCTCCACTGTT
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CTAATTAAAGTACCCATGATTTTTTCCTTTTCTGCTCAGGGATGATGGAGATTTCCTTGACCTCGACGTAG
AATTCCAACTGGCAAATGGCCTTTTAATATATGCAGGGCTGCATATAACTAAAATCCTGACTTACGCAACT
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CAAGAACCCGGCCGAGAAAAATATCCTACACGGGGACGGTTTCCACATACGACGATGCTTTGGCACAGAGG
GGGGAAATATAGAACCCAGGAGGGAAACGGCANNN
Table3 5005
NNNNAGGTGTGGATTTCTCTGAAATAGGCCAGGGAAAAGGCTGTGACCTCTCCTTGGGTCTGCTG
CAGCGTTCTAGCCTTGGCTAGGTGAGGGGAACTGTTGGGCCGATGCTGTGTGGCTGGAGCAGAACCCACAG
TGCTGTCCATAGAGGAGAACAAGCAACGAAGATCATGGCTAAAGATCTTAGAGATCCTTAAAATGCCGATT
CCTAATCTCTTGCTGAAAACTACTGACTTTTAGATATTTTCCCGCTTGCCACTCTGTAATCCAGAATATTA
GGAACAAGTTCTTAAACTCGAGTTTACTTTTCACTGGTGTTTGCATGTGTGGGGGACAAAAGTTTATGTTC
TTGTGGCAGGAAACTGTGGGATCTGCAGCATGGAGGAGNN
Table3 5009
NCCACCCACAGCCCCGGCTACCCCGGAGAAGCCTGACTTGAGAACCCTTTCTGCAGAGTCCCGGC
AGTGCGGGACTCCGGTAGCCGCCCCTCCGGTAGCCGCCCCTCCTGCCCCCGCGCCGCCGCCCTATATGTTG
CCCGCCGCGGCCTCTGGGGCATGGAGCACGCTGCCCAGCCCTGGCGATGGCAACGGCGACGGGGGTGGCGG
AGGAGCGCCTGCTGGCCGCGCTCGCCTACCTGCAGTGCGCCGTGGGCTGCGCGGTCTTCGCGCGGAATCGT
CAGACGAACTCAGTGTACGGCCGCCACGCGCTGCCCAGCCACAGGCTCCGAGTGCCGGCGCGGGCCGCCTG
GGTGGTGCAGGAGCTGCCCTCGCTGGCCCTGCCGCTCTACCAGTACGCCAGCGAGTCCGCCCCGCGTCTCC
GCAGCGCGCCCAACTGCATCCTCCTGGCCATGTTCCTCGTCCACTACGGGCATCGGTGCTTAATTTACCCG
TTTCTGATGCGAGGAGGAAAGCCTATGCCACTGTTGGCATGTACAATGGCGATTATGTTCTGTACCTGTAA
CGGCTATTTGCAAAGCAGATACTTGAGCCATTGTGCAGTGTATGCTGATGACTGGGTAACAGATCCCCGTT
TTCTAATAGGTTTTGGCTTGTGGTTAACAGGCATGTTGATAAACATCCATTCAGATCATATCCTAAGGAAT
CTCAGAAAACCAGGAGATACTGGATACAAAATACCAAGGGGAGGCTTATTTGAATACGTAACTGCAGCCAA
CTATTTTGGAGAAATCATGGAGTGGTGTGGCTATGCCCTGGCCAGCTGGTCTGTCCAAGGCGCGGCTTTTG

Table 6
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CTTTCTTCACGTTTTGTTTTTTATCTGGTAGAGCAAAAGAGCATCATGAGTGGTACCTCCGGAAATTTGAA
GAGTATCCAAAGTTCAGAAAAATTATAATTCCATTTTTGTTTTAAGTGCGTTTTTCATGAAATTATCTTCA
ACTTGAAGCTTTCCAATGGCGCTTCTCTATGGACTTTGTAAATAAGTTATATCTTTGTAATTTTCCTGCTA
CTTTATCATTTTCAAGATGTCCTCTAGGAATTTTTTTTCTAGTAATTTTGCAATCTACCTAATAAGTACCT
AAATACGCTGAAATGGAGGTTGAATATCCTACTGTGTAACAGGTCAGAATTTCAAGCTCTGGGTAATAACT
GCTGATATTTTTTCTAATTTCAAATTTACCTCTTTTGGCTATGTCTTGCCAAGTGTGTATGAGACTAGACT
TTACAACTGTCTTTGATGGCATTTTCAGAACAATAAATGTCACAATCCCTTCTATAGCCCCCTACAGTGAT
CTCTTCAAGGTCAACTGCAGTGTTGCTTCCCTCCCCCTATAGGGCTGGAATCTGTCTAGGAGCCCTCTCTC
GGAGGCCACAGAGGCTGGGGGTAGCCATTGTGCAGTCATGGCCCGGGGGAAACTTGCCAACCTTCGTGTCA
GGTGCTGTGTGTAAGTGGAGAACTTGGGGATAGAGGAGGAAGCTCCTCGTGGCCCTTCCAAGGTGAGGCAA
AGGCATCTGGACTTGTTCCAGCCCAGCCCACCGGGTGACATCACCGGGCAGGGAGGGGTGCTGGTGGTGGT
TCATACGGAGTAAGCTGCTCTGCCTGTGTGAGTGGCTCCTGGGCCCTAAACAGGCACCTTTAGGCCATGGG
TCACTCACCGTGAGCCATCAATGTGCTCTGGTCTGACATGGTTTCTCTCTGTCTTCTAGTCTAGACCTAGT
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TGAGTTTTCCCTTGTAGTGTAAAGAATGATCACTTTCTGTAACAATAACAAGACCACTTTTTAAGATTTAT
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CTAATCTTCCTTCTAATAGTTTTTGCTTTCTGTTTTGCTGTTGTTGCTTTGCAAAGCTTTCCCCTCATAGC
CTGTACCTGTTATCAATATAAAATAATCTTCCTGTTGAATGCTTCATGACTTGAATTCTACTTTGATAAAA
ACATTGCCATACTGCTTTTTATCTTGATGAATTCATCTGGCATTGCTTTGCCTTATCATCTCATCTGGAGT
TTTTAAATGCCATTTGTTTCAGTTGTCTTTAACAACATAATAAATAGACTTTGCCATTTAACACGGTAGGC
TCAAATTTCTTTTACTAATTCGTTACCATCGAAACCCATTCTTTCATCNATATTTCCNN
Table3 5010
ACGCGGGGGGAGAAGGGGCGCAGGTGGCCGCCATCTTGGATTGCGAACTGGGTCGCTACGCTTCA
CGCCAGGGGCGGAGTGGCGGCCCTTCTGTTACCCGCCACACACGTCGCCGCTGGGGACTGGGAAATCAGGG
CATCGGAGAGTGCCACATTAATGGATGCCATGGCTAGTCCAGGGAAAGATAACTATAGAATGAAAAGTTAT
AAGAATAAAGCCCTAAATCCTCAAGAGATGCGTAGACGAAGAGAAGAAGAAGGAATACAGCTTAGAAAACA
AAAAAGAGAAGAACAGTTGTTCAAACGCAGAAATGTCTATTTGCCCAGAAATGATGAATCTATGCTTGAAA
GTCCTATACAGGATTCAGATATTAGTTCCACTGTACCCATTCCAGAGGAAGGAGTTGTTACTACAGATATG
GTTCAAATGATTTTTTCTAATAATGCTGATCAACAGCTAACAGCAACACAGAAATTTAGAAAGCTGCTTTC
TAAAGAACCTAATCCACCAATAGATCAAGTTATACAGAAACCAGGAGTTGTACAGAGATTTGTGAAATTTC
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TGAAGATGTTCAGGAACAGGCTGTTTGGGCACTTGGTAATATTGCTGGTGACAATGCAGAATGCAGAGATT
TTGTTTTGAATTGTGAAATACTTCCACCTCTTTTAGAGTTATTAACAAATTCAAACAGACTCACAACAACA
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ACCTTGCTTAAATGTCCTGTCACGACTGTTGTTTAGCAGTGACCCAGATGTGTTAGCAGACGTGTGTTGGG
CCCTTTCTTATCTCTCCGATGGACCCAATGATAAAATTCAAGCAGTCATTGATTCTGGAGTCTGTCGAAGA
TTGGTGGAACTTTTGATGCACAATGATTATAAAGTTGTATCACCTGCATTAAGGGCAGTTGGTAATATTGT
GACTGGTGATGATATTCAAACACAGGTAATTTTGAATTGTTCTGCATTACCCTGTCTCTTACATTTATTGA
GTAGCCCAAAGGAGTCAATTAGAAAAGAAGCCTGCTGGACTGTTTCTAACATCACTGCTGGAAATAGAGCT
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AGGAAATTTACCAGAAGGCATTTGATCTGATTGAACATTACTTTGGTGTAGAAGAAGATGACCCCAGCATT
GTACCTCAGGTGGATGAAAACCAACAACAGTTTATATTTCAGCAGCAGGAAGCACCAATGGATGGATTTCA
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AATGTAAGAATGTTTGTTTTTTTACATAGAACAGTAAAGAGAATTTGATGCACTTTTAGAAAGCAAAATGA
AACAAAAATTTCCATTCAGATGCAACCTTTCATTGTAGTTTGTTGTTGTTTTAGTTTTGTTGTTGTGCCTG
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ACTGCACATTAGCAGTAAACCTATTGATAATTGCATTTTGGCAGTAAGTCTTACACATCTAATCTCTACTA
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AATTAGAATGTGAAANTATTTATTACCTTAAATTATACATATCACTGTGCTGGTAGGTTATACTTTGCAAA
ANATTGCAACAGAAAACCTATAANANNNNNNNNNNNNNNNN
Table3 5012
CCGGGCATGTACGCGGGGCTGCGCGGTATCGGCGTCCGCTTCCCGCGGCGGCGGAGGGGTGACTG
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CTGGCATTTCAGCTGCCTTGAGGTGCAGTGTTGGGGATCCAGAGCCATGTCGGACCTGCTACTACTGGGCC
TGATTGGGGGCCTGACTCTCTTACTGCTGCTGACGCTGCTGGCCTTTGCCGGGTACTCAGGGCTACTGGCT
GGGGTGGAAGTGAGTGCTGGGTCACCCCCCATCCGCAACGTCACTGTGGCCTACAAGTTCCACATGGGGCT
CTATGGTGAGACTGGGCGGCTTTTCACTGAGAGCTGCAGCATCTCTCCCAAGCTCCGCTCCATCGCTGTCT
ACTATGACAACCCCCACATGGGTTGCCCCCTGATAAGTGCCGATGTGCCGTGGGCAGCATCCTGAGTGAAG

Table 6
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GTGAGGAATCGCCCTCCCCTGAGCTCATCGACCTCTACCAGAAATTTGGCTTCAAGGTGTTCTCCTTCCCG
GCCCGGTACATGCAAGTTCTTAGAGGGACAAGTGGCGTTCAGCCACCCGAGATTGAGCAATAACAGGTCTG
TGATGCCCTTAGATGTCCGGGGCTGCACGCGCGCTACACTGACTGGCTCAGCGTGTGCCTACCCTACGCCG
GCAGGCGCGGGTAANNN
Table3 5013
NAGGGCGTCGACCCCGCGTCCGGGGCAGGCGGCGGCGGCCACTGGCCAGGCGTGGACGCGCGCGG
GGCCGCCGCGGGCGCGGAGTGGCCGCCGCGTCGCCTGAGCCCAGAGCCGGGGAGTGCTCTCGGCCGCCGCG
TCTCCTGCCCTCTGTCCTTCCAACCCAGCCCTCGGCTGAGCCGCGCCGCACCATGCCCGCCGTGGACAAGC
TCCTGCTAGAGGAGGCGTTGCAGGACAGCCCCCAGACTCGCTCTTTACTGAGCGTGTTTGAAGAAGATGCT
GGCACCCTCACAGACTATACCAACCAGCTGCTCCAGGCAATGCAGCGCGTCTATGGAGCCCAGAATGAGAT
GTGCCTGGCCACACAACAGCTTTCTAAGCAACTGCTGGCATATGAAAAACAGAACTTTGCTCTTGGCAAAG
GTGATGAAGAAGTAATTTCAACACTCCACTATTTTTCCAAAGTGGTGGATGAGCTTAATCTTCTCCATACA
GAGCTGGCTAAACAGTTGGCAGACACAATGGTTCTACCTATCATACAATTCCGAGAAAAGGATCTCACAGA
AGTAAGCACTTTAAAGGATCTATTTGGACTCGCTAGCAATGAGCATGACCTCTCAATGGCAAAATACAGCA
GGCTGCCTAAGAAAAAGGAGAATGAGAAGGTGAAGACCGAAGTCGGAAAAGAGGTGGCCGCGGCCCGGCGG
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AACGTATGGACAGCTTTTTATCCTCCGTTGCAGACATGGTTCAAAGCATTCAGGTAGAACTGGAAGCCGAG
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TGTGGCCGCACCACAGATCAACAGGAACCTCATCCAGAAGGCTGGTTACCTTAATCTTAGAAACAAAACAG
GGCTGGTCACCACCACCTGGGAGAGGCTTTATTTCTTCACCCAAGGCGGGAATCTCATGTGTCAGCCCAGG
GGAGCCGTGGCTGGAGGTTTGATCCAGGACCTGGACAACTGCTCAGTGATGGCCGTGGATTGCGAAGACCG
GCGCTACTGCTTCCAGATCACCACGCCCAATGGAAAATCGGGAATAATCCTCCAGGCTGAGAGCAGAAAGG
AAAATGAAGAGTGGATATGTGCAATAAACAACATCTCCAGACAGATCTACCTGACCGACAACCCTGAGGCA
GTCGCGATCAAGTTGAATCAGACCGCTCTGCAAGCAGTGACTCCCATTACAAGTTTTGGAAAAAAACAAGA
AAGCTCATGCCCCAGCCAGAACCTGAAAAATTCAGAGATGGAAAATGAAAATGACAAGATTGTTCCCAAAG
CAACAGCCAGTCTACCTGAAGCAGAGGAGCTGATCGCGCCTGGAACGCCGATTCAATTCGATATTGTGCTT
CCTGCTACAGAATTCCTTGATCAGAACAGAGGGAGCAGGCGTACCAACCCTTTTGGTGAAACTGAGGATGA
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TCAAGTATCAAGGGCCAATTTTGAACTTACCAGTGTCACACAATTTGCTGCTCATCAAGAAAACAAGAGAC
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TGTGGGGGAAGAGCAAACAGGAAGGAGAGCTACCTCCTAAGGGTTTTAACGTCTCTGACATACAGGCACAC
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GGGAAACTAAGAAATGGTTGACAGCGTTCCCACCCATCTACAATGTTATTTTAGGTGCTTTGTGGTAAGTC
TTTTTTCTTAGATTGCGCTAAAATTTCTTAGATTGTTCAGCGCTCAGAACAAAAGTTTGAAAAATGCATTG
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TGTCGTTCTGAAAATTGTGTATTTATAATTCAGCTTATCTCACAATTGGACCTAATAGCATTTCTTTGTGC
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TGGAACCCCAGCCCACTCCCCCATCCCTCCTCCCTATCAAACTAGTATAATGATTTTGAATCGGTACAGTG
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Table3 5014
NNNCCGCAGGCAGGTCACTGCGCCATTTCCTGTCCAAGCTGGGCGAATCAGGGATTCCGGTTCAC
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AGGAGATGAATTCTGATGACCCAGTTGTGCAACAGAAAGCTGTCCTGGAGACAGAAAAGAGACTACTGCTT
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TGCTATGAAGAGTGCAGAAGAAATAAACTCAGAGGCCTTCTTGGCATCTGTGGAGAAGGATGCAAAGGAAC
GAGCCAAGAGAAGAAGGGAAAACAAAGTCTTGGCGGATGCCCTAAAAGAAAAAGGGAATGAAGCATTTGCT
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CTCTCAAGTGTGATGAAAAATGCACAAAAGCATATTTTCACATGGGAAAAGCCAACCTGGCCCTGAAGAAC
TACAGTGTGTCTAGAGAGTGTTATAAGAAGATCTTAGAAATAAACCCCAAGCTGCAAACCCAGGTGAAAGG
TTACCTGAATCAAGTAGATCTTCAGGAAAAAGCAGACCTTCAAGAAAAGGAAGCCCACGAACTGCTGGATT
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Table 6
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TTCTATGCTGGGGGGATTGAGATCCTGACTGAAATGATAAATGAGTGCACAGAACAAACTTTATTCAGAAT
GCACAATGGATTTAGTATCATCAGTGACAACGAGGTCATAAGAAGGTGTTTTTCCACAGCAGGAAATGATG
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CAGCGTGTGCTAGTGATACACCATGACAGGGCCAGGCTGTTGGCCGCCCTCTTGTCCTCCAAGGTCCTGGC
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TGAGCAGAAGGTGCCTGTCTTTACTAAACAGCCAGGATGGAGGAATCCTGACAAGAGCTGCTGGTGTTCTG
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GAAATTCCTGAAGACAGGAGGTGAGACTGCATCACGTTATGCTATAAAGATACTAGCTATCTGCACGAATA
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CCGTGCAGGTGAACGCAGGCATTGCTCTGGGGAAGCTGTGCACAGCTGAGCCCAGATTTGCTGCTCAACTG
AGAAAGCTTCATGGCCTAGAAATTCTCAACTCTACGATGAAATACATCAGTGATTCTTGAGAGAGACAGGG
TTTGTGTGCATTTGGGGAACACACAGATGCACACCGTGTGTTGTTCCTATGCTAATAAAGACCTTTGATGT
ATCCACTTCANNNNNNNNNNNNNNNNNNNNNN
Table3 5016
TATAGGGAGTCGACCGGCCCACGCGTACGGGATGAAGGAGGCTGTGCCTCCGGGTTGCACGAAGA
GTCCGAGTCATTTCTCAGAAGGTTTTGATAGGTGGGCCTTAGAGGAGACGCCGCCGAGCACCGCAAGAACT
GGAAAACACACCCCTCTCTGTCTGCCTGGGAGAGCCACGGAAATTGGCACTTCTCTGAGTGAAGCTGAGGA
GAAGGCTGTAAATCTGCCAAAACAGCCTTGAAGTATTCTTTTGTCATGAGGAAGTGACGGCTGCTGGAGGG
AGGTGAACACCACAAGGAGAGATGGCATCTGGCCTGGGCCCCGCCTAGCAGCAGCTCCACCTCCTAGGCCA
GGCCCTGTGGGATGCGCCACTAGACCACCATGGACGGATCCCACAGCGCAGCCCTGAAGCTGCAGCAGCTG
CCTCCCACAAGTAGCTCCAGCGCCGTAAGCGAGGCCTCCTTCTCCTACAAGGAAAACCTGATTGGCGCCCT
CTTGGCGATCTTCGGGCACCTCGTGGTCAGCATTGCACTTAACCTCCAGAAGTACTGCCACATCCGCCTGG
CAGGCTCCAAGGATCCCCGGGCCTATTTCAAGACCAAGACATGGTGGCTGGGCCTGTTCCTGATGCTTCTG
GGCGAGCTGGGTGTGTTCGCCTCCTACGCCTTCGCGCCGCTGTCACTCATCGTGCCCCTCAGCGCAGTTTC
TGTGATAGCTAGTGCCATCATAGGAATCATATTCATCAAGGAAAAGTGGAAACCGAAAGACTTTCTGAGGC
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ACAGTCACGAGAAGATGACAGGCGAGAATGTCACCAGGCACCTCGTGAGCTGGCCTTTCCTTTTGTACATG
CTGGTGGAGATCATTCTGTTCTGCTTGCTGCTCTACTTCTACAAGGAGAAGAACGCCAACAACATTGTCGT
GATTCTTCTCTTGGTGGCGTTACTTGGCTCCATGACAGTGGTGACAGTCAAGGCCGTGGCTGGGATGCTTG
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CCTCCAGGCTGACAGTGGTTCAACCCTGAATCCTAAAACTTGCCTTTCAAGTCTCATTTTGTTTCTAACTG
AGAACTCTATGGATGATGATCTCAAAAAGCCTTTGTCTCTGGGAAAGGATGCGTTATCTTGGTCTTGGAAA
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GATTAGCCCAGGGGGATTTGGAAAGCCTTTCTACCATCCTTGAGGATGGTAACTGAGCTTCCTCTGACAGT
GACCAAAGGATGCTGTATCCTTCAGAGCTAAGGCAAGACAGAGAGTCTGCTGTTAATTCTCAAATCCAGCG
AAAGGCTGGACATCTCTAAATCTCGTCTTCCTCCACCTCATGTGCATGCCTGATCTCACCCTGACACTCCT
GATGCCGCATCTGTGATAGCACTCGTGTTGCCTTCACATGGCAGGCTGGGCCAACCCTGGGTGGAAGGTTC
TGACATTTGTGTTTCCGAATGTCATCTGCTCGGTTCTCTGTGCCTCTGGAGTGTGCTGTTGTCAATGGTCT
TCCTTGACGAACTGGTTTGGCCGTGGGCTCTTTTGGCCCCTCCCCAGATGGATTCCAGGGCATTGGACGGG
GGGGCGTTCCTGAAAAGGCCCCTCCAGGGGGCCTANNNNN
Table3 5018
NNNCCGTGGAAAGCTTTCAAACATAGATCACACCTATGCCCAACATCAGNAAAACTCATACAGGA
GAGAAACCTTATGAGTGTAATGAATGCGGGAAAGCCTTCAGCCAAACTTCCAATCTTACTCAACATCAAAG
AATTCATACTGGAGAGAAACCCTATAAATGTACTGAATGTGGAAAGGCTTTTAGTGATAGCTCATCCTGTG
CTCAGCATCAAAGACTCCACACTGGCCAAAGGCCCTATCAGTGTTTTGAATGTGGGAAGGCGTTCAGAAGA
AAGTTATCCTTAATTTGTCATCAAAGAAGTCATACTGGAGAAGAACCTTAAGAATGTAGTGCATGTGGCCA
AGCCTTTAGTTATCACCAATCCCCTACTGTTAATCAGAGATGTCCCACTGGATAAAAAACATATAAATGTA
AGAAATGTAGAAAAACCTTCAGCCAGGAGGCTGGCAAGATGGCCGAATAGGAACAGCTCTGATCTGCAGTT

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CCCAGTGAGATCAACGCAGAAGGTGGGTGCTTTCTGTATTTCCAGCTGAGGTACCTGGCTCATCTCATTGN
GACTGGTTAGACAGTGGGTGCAGCCCACGGATGGTGAGCNNN
Table3 5019
NNNNNNGCTGCCTTCTTCTTGTCTCCTGTGTGTTCGGTTCGGTCGTCATTGTTGTCGTCTCTGGT
CTCGTTCTTTCTCCGTCTCCTGCTGCATTTCTCTCTTGTGTTTCTTCTTATCTCCACCCGCGCGTGGGTCT
ATTTTTATCGGACTTCCCTCGGGTACCTCCTGTGTGTGGGATCGCCCTTTGGCTCGTCCTCGATCGCCTTC
TGGGATGTTTTCCAGAACAACCTCTCGTCTCCCCGCGGCGTCTTTCTTTCTGGGGGGAGGAATCCCCGCGA
CCCTTTGTTTCTGTCCCCGCGGTTTTCCTTGGGGACCCCTTTGTGCCCCATGTTTCCCTTCCTCATTGGGG
CCCGCCCCCCCCACAAAGAGTGTGGTTTTTTAAAAACTCTTTTTCTGGGGCTCCTGTGCGCCCCAAAACAA
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TCACTGGTGGGAAAGGTAGCCTCTACTAAATAAAAGTCTTTTTATTGTTGGCAGTTGGATTCAGTAGTACC
TACGTGGGTAAGTTTAGAAATGTTATAATTTCACGGAAGAGGAACAGCATATAATTGTATCTTGCCTATAA
ATTGTTCTATTTTAATAAGGGAAATAGCAAATTGGGGTGGGGGGAATGTAGGGCATTCTACAGTTTGAGCA
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CTCCAGGCTCATGTTCCAAGCAAGAATAGGGTAAGTAACTGTGAATTACCCTACAAGCAGTAATAAGTTTA
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TAAAATTCTGCTGGTTTGCAAATTGTATATAACATTATATCTATATTATTAACTGTAAGTATTTTTGCCTG
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ATATGTTGACTAGAAAAATTCATANNNNN
Table3 5022
NNNNNNNNATCAACTTTGCATGAATAATGTGAGTGCGCTTGGAAAAGAGACCTCCTGCTCCGCGG
GCTCGGGGCAAGAGCCCGCAGGCTACCTTCCCCGGGCAGGGGCGCTCAACCCAACCGGCTCCAGGGCACTG
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TGCTGATGTCTTCAGATCGCCCGGGGCTTGCCTGTGTTGAGAGAATAGAAAAGTACCAAGATAGTTTCCTG
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GGTGACAGATCTGCGGATGATAGGAGCCTGCCATGCCAGCCGCTTCCTGCACATGAAGGTGGAATGCCCCA
CAGAACTCTTCCCCCCTTTGTTCTTGGAAGTGTTCGAGGATTAGACTGACTGGATTCATTCTCATAATTCC
TACAGCACTACTGGGTGTCATTTCATTCCATTGCCTAGCTCTTTTTTGTTTGTTTCTTTGTGTTGGGAGGG
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CCTGCCCGG

Table 6
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Table3 5024
CACGCTGGTTTTGCATCTTCAGGAGACGCTCGTAGCCCTCGCGCTTCTCCTCGGCCAGTCCGCGA
TGATGTGGCTCTGGAAGGCGTGAGCCACTTCATCGCGGTCGAAATAGAAGCCCAGAGAGAGGTAGGTGTAG
GAGGCCTGCAGGTACGCGGGTATATTCAGGTGAATGAGCCCTGGAAGCGGATTAAAGGCAGTGAGGCTGAC
AGGCAACGGGCAGGAACAGTGACTGGCTTGGCAGTGAATATAGCTGCCTTGCTCTCTGTCATGCTTCAGCC
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CAGTTGCTGAAACGAGGTTTTGTGCTGCAAGATACTGTGGAGCAACTGCGATGTGAGCACTGTGCTCGCTT
CCTGGCTGACCGCTTCGTGGAGGGCGTGTGTCCCTTCTGTGGCTATGAGGAGGCTCGGGGTGACCAGTGTG
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GTGGTGCAGTCGAGCCAGCACCTGTTTCTGGACCTGCCTAAGCTGGAGAAGCGACTGGAGGAGTGGTTGGG
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CCCGCAAAAAAAAACAGGAACACAAACCGACTACAAGCAACCTCACCAAATAAACACCGCACGAGCGCAGA
GCACATCAACCAAAAGCGAACAAAAGAGAGGCTCGACACTCAGAGCGGTGCANNNNNNNNNN
Table3 5026
NNNAGGCCCCCCGCGTCCGGGCGGCGCTGGAGTCGGCGCGGGTGCTGGCGCCATGGAGGCCGAGC
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CTGGACGTGCCGTGTGGAGCACGCGCGCCAGCAGCTGCAGCAGGTGCCCGGGCTGCTGCACCGCATGGCCA
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CGCAGCAGGTGGCCTACACGCTGCTGTGGCCCCTGAGGGACCTGGACACTGGCGAGGAGGTGACCCGAGAC
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GGGACGGCTGTGGGGCCCCACACTGCACCCACAGGGCTCTATGCGACAGGGGCCCAGGAACAGCCTGAGGC
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Table 6
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ATTAGGAGTCAGCTGCCAGCGTTTTTGTGTGGCTGCAGTGTGCCTGGGCCCAGCTCACGGGCAGTGGGTGG
ACCTAACTGCCCAGGCAGGCGAGAGCTACTTCCAGAGCCTTCCAGTGCATGGGAGGGCAGGGCTAGGTGTA
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ATGGTGAN
Table3 5027
gcGTCCGCGGACGCGTGGGCCgccACCGTCGTCCGGCAAAGCCTGAGTCCTGTCCTTTCTCTCTC
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CGCCCAGCTACGGCGCCCGGCCGGTCAGCAGCGCGGCCAGCGTCTATGCAGGCGCTGGGGGCTCTGGTTCC
CGGATCTCCGTGTCCCGCTCCACCAGCTTCAGGGGCGGCATGGGGTCCGGGGGCCTGGCCACCGGGATAGC
CGGGGGTCTGGCAGGAATGGGAGGCATCCAGAACGAGAAGGAGACCATGCAAAGCCTGAACGACCGCCTGG
CCTCTTACCTGGACAGAGTGAGGAGCCTGGAGACCGAGAACCGGAGGCTGGAGAGCAAAATCCGGGAGCAC
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GATCTTCGCAAATACTGTGGACAATGCCCGCATCGTTCTGCAGATTGACAATGCCCGTCTTGCTGCTGATG
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GAGCTGGCTCGGAAGAACCGAGAGGAGCTAGACAAGTACTGGTCTCAGCAGATTGAGGAGAGCACCACAGT
GGTCACCACACAGTCTGCTGAGGTTGGAGCTGCTGAGACGACGCTCACAGAGCTGAGACGTACAGTCCAGT
CCTTGGAGATCGACCTGGACTCCATGAGAAATCTGAAGGCCAGCTTGGAGAACAGCCTGAGGGAGGTGGAG
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CCGGGCAGAGGGACAGCgGCCCAGGCCCAGGAGTATGAGGCCCTGCTGAACATCAAGGTCacaGCTGGAGg
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TGAGACCAATGACACCAAAGTTCTGAGGCATTAAggcCAGCAGAAGCAGGGTACCCTTTGGGggaGCAGGA
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acagttttgtcaagggcttatggagtgataaacaggaaggggggtaaacgggaggaaagacgggttggaag
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Table3 5029
NNNCAAATAAAGAACATGGTGAAACTGATTCACACATTAGCTGATCATGGTGACGATGTCAACTG
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GGTTTCTCTTGGCACCAAGGGGGCGCCCAATAAAGGGAGGGCGGAATAAATAAGGAAAGAGAGAGAGGGCG
GGAGGGTAAACACAACCGGCGCGGAGCGGGGAACACCTCGGCGCGTCGGGACCTGGGGAAGGGACCCTACT

Table 6
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CCGGCGGGGGCGCAATATTTCGGAGCACACCCACAGGAGATAACGGCCAAGGGAAACAATAACTATCCCGC
GTGCNNNNNNNNNN
Table3 5030
CCACGCGTCCGCCCACGCGTCCGTTGTATTTTTATTCAATACGGGGTTCTCCATGTTGGTGAGGC
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TTCTTCTACCATGGTTAAGGAGGGTGACAACAGCAAAACAGTGTACAGCATGTTCATATCCAGCAAGGACA
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TGGACCTATGGCATGATTCCTGCAAATTTAACAGCAGTGGGAGTGGACAAGAATACAGTACAGGGCCCATC
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GGCAGGCCGACTGAACAAACTCTAATAAGGTGAATACCTAGTTTGTTTGGTGGGGGTGCACCTGACTTGGA
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AGTGTCCAGTTCATGCGCTTTACTTTCCTTGAACTTTGTGACTGATAGTCTGTGTGTAACTTCTATTTTAT
TTTTAGCAGACTTGTGAAATCTTACACTATTTCAGCTACGAATGCTGGCCCATTGTCTGATTTTAAAGGTA
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CAGTTCGGTAAAGTTTATAAGCAAGTTTTCACAAGGCACGGCTCCTAATTCTTGAATTCTTGGGGCTGAGT
GGGCCCCTGTCGTGGGTTATTCTCAGCACAGGTTAATCATTGTTCACAAACATCTTGAGTGACAGCAGAGA
GCCACGGCACATAGAAATGGCACTTTCGTGACCCAGCGCAGTGGCTCATGCCTGTAATCCCAGTACTTTGG
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CTACNNNNNNNNNNNNNNNNN
Table3 5032
gattattgttagagagttatttCCACGAAGTGTTTGTCAGTTTGTTGGACATTTGAGACCCCAGG
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ATAACCCTCTTCAGACCAAACCTCTCCTCCTGACATTCTGTTCTGCCATCTTATCGTAGGGAGATGGTCTA
TCTAAGATAGGTTTTAAAAAAAAATAGATTTGTCATAATTGGAATAGGTTTGTTTTTGTTTTTGTTTTTGT
TTTTACTGTAAATTTAAATCCCCATTAATATGCCACTAAAGCTGTAACTCAGAGTGGGTAATTTCTATTCA
GAAGCACTCCCCTCCCCCAGCAAAGAGGTATTTCTATTAGTAAAGCATAGTACACCCCTCTTCTTTAGGTC
TGCCTGCAGTAGCCAGTTAATATAAGTTGGTAATCTGCAGTGCACACCCATTTAAAAAAATGGATACCTTC
CCCAAACTAATCCATCTCCTTTTTTTTCTTCCCACAGCGTTTGCtgccaATTgatggggcaaatGatctct
ttttttcagccacctccactgactcctaccTCcAAAGTTTATACTATCAGACCTTATTTTCCTAAGGATGA
GGCATCCGTGTACAAGATTTGCAGAGAAATGTATGACGATGGAGTGGGTTTACCCTTTCAAAGTCAGCCTG
ATCTTATTGGAGACAAGTATGTGATAAGTATTTGGATTTGAGAGTAGACCTTTCATAGTGAGGCTTATCAG
GTTGAGGGGAGGTGATGACTGGAAATATATTTATTTATTTTAAATCCCACTTTGGCTTTAGTAAAATCTGA
ATATGTGTGCATTTCTAGTTTCTTACACCAAATGTAGGTTCCGTAAGTTCATGCAAGTACAGTGGGTCTTG
GATCACTGAAGTCTGAATTTTATATTAGCAACTGAAAAGTTTACTGTGGCCTCTTTCCTTCTGAGCAGGTT
AGTAGGAGGGCTGCTTTCCCTCAGCCTGGATTACTGCTTTGTCCTAGAAGATGAAGATGGCATATGTGGTT
ATGCCTTGGGCACTGTAGATGTGACCCCCTTTATTAAAAAATGTAAAATTTCCTGGATCCCCTTCATGCAG
GAGAAGTATACCAAGCCAAATGGTGACAAGGAACTCTCTGAGGCTGAGGTAATACAAAGGTTAAGAATTAT
ACTATGGTAATGGTCTTTTTTATTTATTTATTTTTATTTTTTATTAAAGTACTTACTAAAATGGAAAAGTA
CATAGATACATCATAAAATCTTAGTGCTTTCTAAATTAATTTTCTTGCAGAAAGAATTCTTATGGCTTATT
CTTAGCATGACATTTTTCACTGTTTCCCCAATATTGGGACAGTTTTTTATTTGGGAGTACTATTGTAATAT
TTCCTCAgGTGAAAACacaaTAAAGACaaAGaACAtTTTTTTCcTCTGTTttAAAGTTTCATACTTAaaga
tgttATGGTCTTGgtc
Table3 5036
CGAGGCGCCGCGCGCCCGCGTACTGCAGCCGCCTCAATATCCCCTTCCCCTTCATCGTCTTCGCT
TACTTCTACATGGTGGTGAAGAAGTGCTTCAAGTGTTGCTGCAAGGAGAAAAACATGGAGTCTTCTGTCTG
CTGTTTCAAAAATGAAGACAATGAGACTCTGGCATGGGAGGGTGTGATGAAGGAAAACTACCTTGTCAAGA

Table 6
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TCAACACAAAAGCCAACGACACCTCAGAGGAAATGAGGCATCGATTTAGACAACTGGATACAAAGCTTAAT
GATCTCAAGGGTCTTCTGAAAGAGATTGCTAATAAAATCAAATAAAACTGTATGAACTCTAATGGAGAAAA
ATCTAATTATAGCAAGATCATATTAAGGAATGCTGATGAACAATTTTGCTATCGACTACTAAATGAGAGAT
TTTCAGACCCCTGGGTACATGGTGGATGATTTTAAATCACCCTAGTGTGCTGAGACCTTGAGAATAAAGTG
TGTGATTGGTTTCATACTTGAAGACGGATATAAAGGAAGAATATTTCCTTTATGTGTTTCTCCAGAATGGT
GCCTGTTTCTCTCTGTGTCTCAATGCCTGGGACTGGAGGTTGATAGTTTAAGTGTGTTCTTACCGCCTCCT
TTTTCCTTTAATCTTATTTTTGATGAACACATATATAGGAGAACATCTATCCTATGAATAAGAACCTGGTC
ATGCTTTACTCCTGTATTGTTATTTTGTTCATTTCCAATTGATTCTCTACTTTTCCCTTTTTTGTATTATG
TGACTAATTAGTTGGCATATTGTTAAAAGTCTCTCAAATTAGGCCAGATTCTAAAACATGCTGCAGCAAGA
GGACCCCGCTCTCTTCAGGAAAAGTGTTTTCATTTCTCAGGATGCTTCTTACCTGTCAGAGGAGGTGACAA
GGCAGTCTCTTGCTCTCTTGGACTCACCAGGCTCCTATTGAAGGAACCACCCCCATTCCTAAATATGTGAA
AAGTCGCCCAAAATGCAACCTTGAAAGGCACTACTGACTTTGTTCTTATTGGATACTCCTCTTATTATTTT
TCCATTAAAAATAATAGCTGGCTATTATAGAAAATTTAGACCATACAGAGATGTAGAAAGAACATAAATTG
TCCCCATTACCTTAAGGTAATCACTGCTAACAATTTCTGGATGGTTTTTCAAGTCTATTTTTTTTCTATGT
ATGTCTCAATTCTCTTTCAAAATTTTACAGAATGTTATCATACTACATATATACTTTTTATGTAAGCTTTT
TCACTTAGTATTTTATCAAATATGTTTTTATTATATTCATAGCCTTCTTAAACATTATATCAATAATTGCA
TAATAGGCAACCTCTAGCGATTACCATAATTTTGCTCATTGAAGGCTATCTCCAGTTGATCATTGGGATGA
GCATCTTTGTGCATGAATCCTATTGCTGTATTTGGGAAAATTTTCCAAGGTTAGATTCCAATAAATATCTA
TTTATTATTAAATATTAAAATATCTATTTATTATTAAAACCATTTATAAGGCTTTTTCATAAATGTATAGC
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TTTAACCCTTAGTTTAAGAAGAAGTCAATATGCTTATTTAAATATTATGGATGGTGGGCAGATCACTTGAG
GTCAGGAGTTCGAGACCAGCCTGGCCAACATGGCAAAACCACATCTCTACTAAAAATAAAAAAATTAGCTG
GGTGTGGTGGTGCACTCCTGTAATCCCAGCTACTCAGAAGGCTGAGGTacaagaattgctggaacctggga
ggcggaggttgcagtgaaccaagATTGCACCACTGCACTCCAgccgggtGACAGAgttaagactctCATG
GGGACACTACTGTTCAAAAGGCCCTGGCCAAATAACTCCCAAATGAAACACTCAACCCAAGGATGTTTTCA
GCCCACTGTTAGTGAAGCTGGGTGCAGAATGCAAAGCCTCTAAAAGGAGAGGATACAAAGTCAGGTGAGTA
GGGGCCATTGGCAATGCTCAGAGCCAGCCAGACTCCAAACAGGGAGCCCAAGTGGTTTTTTTCTGGGACAC
TCTACTTGAATTATTGTTTAATTAGTCAACCATAGATCTTCAAAAGAGAACAATTAGTTAACATGATAAAA
AGTGACTGCATTCTTTGGACTGTATCATAATTATAGTAAGCAAATTCTGACAGTTTTAATGAAAATAGCCT
CCACCATTTTGCAGGTATGAAGATAACTTAATTATCCACAGGGCTTTTAATGTCTGCTGGACAATACATGA
ATGATAAGCTATAAATGACATTGTTTTATGATATAAAAATACTAGTTTTTTTCATTTATTATTTCTATAGG
CATTCACTGTTTGAGTCAAGGTTAGGCTTGTTAAGTGATTAAAGGCAATTTTATTACAGCAGCATGTACTT
ATTCTATTCTAAAAGAATAATATTCATAaacagaaACAGGTTtTATATTTGTTTGCAACCTGCAAAATTGA
ATTATTTTGCTGATATAAAATACTAAGAACTCACTTGAGGACCATGCCACCTTCTGAAAAGGCCACacaCC
TACTTCTAAAAGGAGAGGATACAAAGTCAGGTGAGTAGGGGCcgttgGCACCCAc
Table3 5037
GTCCGCTTGACGTGGCGTCACCGCCCTCTACCCTCGCTTTGCGTGCGTGTTTGCGTACAGCGGAG
GTGGCGGCGCGGGCAGGTCGGAGCTCGGAGCTGCTGCTTCTGGTTCTCTTGTGGCCGCCGTCGCTGTCCGG
CTGCCTTGGGCTGCCGAACAGACAAGGCGTGGGCCACAGCACCTCAGAAGCCGACGCAGCTCGACGCAGGG
GCCGGCAGGAGGGTGGGCGATCGCGTGTCGGAGGGCGCCGCGCGGGCAGGCGGGCGGGCGCCAGAGGGGGA
AAGAGGCGGGGGCGGCGGGTCAGCCGCTGGCCGGGCCGGCCGGGGAATGTCGATGCCTGACGCGATGCCGC
TGCCCGGGGTCGGGGAGGAGCTGAAGCAGGCCAAGGAGATCGAGGACGCCGAGAAGTACTCCTTCATGGCC
ACCGTCACCAAGGCGCCCAAGAAGCAAATCCAGTTTGCTGATGACATGCAGGAGTTCACCAAATTCCCCAC
CAAAACTGGCCGAAGATCTTTGTCTCGCTCGATCTCACAGTCCTCCACTGACAGCTACAGTTCAGCTGCAT
CCTACACAGATAGCTCTGATGATGAGGTTTCTCCCCGAGAGAAGCAGCAAACCAACTCCAAGGGCAGCAGC
AATTTCTGTGTGAAGAACATCAAGCAGGCAGAATTTGGACGCCGGGAGATTGAGATTGCAGAGCAAGACAT
GTCTGCTCTGATTTCACTCAGGAAACGTGCTCAGGGGGAGAAGCCCTTGGCTGGTGCTAAAATAGTGGGCT
GTACACACATCACAGCCCAGACAGCGGTGTTGATTGAGACACTCTGTGCCCTGGGGGCTCAGTGCCGCTGG
TCTGCTTGTAACATCTACTCAACTCAGAATGAAGTAGCTGCAGCACTGGCTGAGGCTGGAGTTGCAGTGTT
CGCTTGGAAGGGCGAGTCAGAAGATGACTTCTGGTGGTGTATTGACCGCTGTGTGAACATGGATGGGTGGC
AGGCCAACATGATCCTGGATGATGGGGGAGACTTAACCCACTGGGTTTATAAGAAGTATCCAAACGTGTTT
AAGAAGATCCGAGGCATTGTGGAAGAGAGCGTGACTGGTGTTCACAGGCTGTATCAGCTCTCCAAAGCTGG
GAAGCTCTGTGTTCCGGCCATGAACGTCAATGATTCTGTTACCAAACAGAAGTTTGATAACTTGTACTGCT
GCCGAGAATCCATTTTGGATGGCCTGAAGAGGACCACAGATGTGATGTTTGGTGGGAAACAAGTGGTGGTG
TGTGGCTATGGTGAGGTAGGCAAGGGCTGCTGTGCTGCTCTCAAAGCTCTTGGAGCAATTGTCTACATTAC
CGAAATCGACCCCATCTGTGCTCTGCAGGCCTGCATGGATGGGTTCAGGGTGGTAAAGCTAAATGAAGTCA
TCCGGCAAGTCGATGTCGTAATAACTTGCACAGGAAATAAGAATGTAGTGACACGGGAGCACTTGGATCGC
ATGAAAAACAGTTGTATCGTATGCAATATGGGCCACTCCAACACAGAAATCGATGTGACCAGCCTCCGCAC
TCCGGAGCTGACGTGGGAGCGAGTACGTTCTCAGGTGGACCATGTCATCTGGCCAGATGGCAAACGAGTTG
TCCTCCTGGCAGAGGGTCGTCTACTCAATTTGAGCTGCTCCACAGTTCCCACCTTTGTTCTGTCCATCACA
GCCACAACACAGGCTTTGGCACTGATAGAACTCTATAATGCACCCGAGGGGCGATACAAGCAGGATGTGTA
CTTGCTTCCTAAGAAAATGGATGAATACGTTGCCAGCTTGCATCTGCCATCATTTGATGCCCACCTTACAG
AGCTGACAGATGACCAAGCAAAATATCTGGGACTCAACAAAAATGGGCCATTCAAACCTAATTATTACAGA
TACTAATGGACCATACTACCAAGGACCAGTCCACCTGAACCACACACTCTAAAGAAATATTTTTTAAGATA

Table 6
2882/3331

ACTTTTATTTTCTTCTTACTCCTTTCCTCTTGATTTTTTTCCTATAATTTCATTCTTGTTTTTTCATCTCA
TTATCCAAGTTCTGCAGACCACACAGGAACTTGCTTCATGGCTCTTTAGATGAAATAGAAGTTCAGGGTTC
CTCACTCTAGTCACTAAAGAAGGATTTTACTCTCCCAGCCCAGAAAGGTGATTCTTTCTTTACCATTTCTG
GGGACTTTAGTCTTAATTAGGTACCTTATTAACAGGAAATGCTAAGGTACCTTCTCTGTGGAACAATCTGC
AATGTCTAAATCGCCTTAAAAGAGCCCATTTCTTAGCTGCTGAAATCAGTGCTCTTTCACTTCTTCAGAGA
AGCAGGGATGGTACCTACCCGGCAGGTAGGTTAGATGTGGGTGGTGCATGTTAATTTCCCTTAGAAGTTCC
AAGCCCTGTTTCCTGCGTAAAGGTGGTATGTCCAGTTCAGAGATGTGTATAATGAGCATGGCTTGTTAAGA
TCAGGAGGCCCACTTGGATTTATAGTATAGCCCTTCCTCCACTCCCACCAGACTTGCTCATTTTTCGAGTT
TTTAACTAGACTACACTCTATTGAGTTTAATTTTGTCCTCTAGGATTTATTTCTGTTGTCCAAAAAAAAAA
AAAAAAAAATCTGCCCCCTTCCGGGCCATTCGGGGGTACCCGGCTGAGCAACTTGATGTGACAGGGGCTAT
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AGTCCTCGGTTTCAACCCGATCTTGCCTTCTTACGTGTCACAAGAATCTTTCGGGTCAAAGTTGGACAGCG
ATTGGCCATCCGACGCGGCCACAGTCATTTAGCCTGAGGCTGTCACCTTTGTCGTGCGGATCGAGCATTAT
ACTTTAGTTTTTCTTTTGTATTGAGCCTCCCTAGCTACAGCAGCCTCTCCTGGCTGCCACACCACTCACAG
CCCTTCTCAGCTCTCCGCCGAGTAAGATACCCAGGGCTATCCGTAGCTCGTCAGCTTGAGCCTACGCTCCA
CCAGGCCACCTCCCCGCCTCATCACCACTTCAGTCCTACCACCTCCCATCACGCTACACTCCTAAACATTC
TACCTAACCACTACTCTATTATCTCTATATACTAATATCAGCAATCTATCTATATAAGATTCCTAATCATC
AAAAATTACACCAACATCTAGTACCTGTTCAACCCCACTCATCATTCTTCTATCCCCTATACCCTTACTTC
GCTAAATCCCTACTCCTTCAACCACTTTACACATCCTCTCTCTTCTAAACTACACAAACCGGGCCGGAGGT
AGGAGTGCGGGTGGCGAGCGACGCCAGGCACCCGCGCGTCGGGCTCTCGCGGGGGAGCACCGGGCGCTGTG
ACCGCTGAAACGGCGACGCCCCCCCGACGCGGCGCGATAGTCACTTCAACTACATAACCCTAGATCATCTT
AAGCCGTCATAGCCTTCTACACATACAGTATCATTCACTTCCGTTACCTAAGCTCACCACAACTCCCCATC
TTGTTCTCCCTATCAAACTTCTTCTATATACTTCTCACTCTCCCTATCCCTCACCCTCTCACACCATACTA
CTGATTATAGAACANNNNN

Table3 5038

NNGTCAACTGGNAACCTCAGTAATTCAGACCCCACATCCCCGAGGTACATCACCCTGCTGAGGGA
CATCCAGGACAAGGTCACCACACTCTACAAAGGCAGTCAACTACATGACACATTCCGCTTCTGCCTGGTCA
CCAACTTGACGATGGACTCCGTGTTGGTCACTGTCAAGGCATTGTTCTCCTCCAATTTGGACCCCAGCCTG
GTGGAGCAAGTCTTTCTAGATAAGACCCTGAATGCCTCATTCCATTGGCTGGGCTCCACCTACCAGTTGGT
GGACATCCATGTGACAGAAATGGAGTCATCAGTTTATCAACCAACAAGCAGCTCCAGCACCCAGCACTTCT
ACCTGAATTTCACCATCACCAACCTACCATATTCCCAGGACAAAGCCCAGCCAGGCACCACCAATTACCAG
AGGAACAAAAGGAATATTGAGGATGCGCTCAACCAACTCTTCCGAAACAGCAGCATCAAGAGTTATTTTTC
TGACTGTCAAGTTTCAACATTCAGGTCTGTCCCCAACAGGCACCACACCGGGGTGGACTCCCTGTGTAACT
TCTCGCCACTGGCTCGGAGAGTAGACAGAGTTGCCATCTATGAGGAATTTCTGCGGATGACCCGGAATGGT
ACCTCGGCCGCCACCGCGTGGAGCTCCAATTCACCCTATAGTAGTCGT

Table3 5039

NNNNCCATTGTCCTGCCCGTTTATGCGGACTTGTTCTAAGGCCGAGGAGCCTGTGTTGGAAGAGA
TGGTGATGGGCCTGGGCGTTTTGTTGTTGGTCTTCGTGCTGGGTCTGGGTCTGACCCCACCGACCCTGGCT
CAGGATAACTCCAGGGACCCTCTTTGTTTTTTTTTTTTTTNAACAGTCTGTGCTGAACTCCTCTAGTGAAC
TTTTTAGTTAAGTTACTACATTCTTCTCCAAAATTTCTGTTCAGTTCTTCTTTATATTTTCTCTTTGTTAA
TATTCTCTTTGTTAAAATTCTCATTTTCTTCATGCATAATTTTCCTGAGCTCATTAAGCATCTTTATGACA
ATAGTTTTGAATTCCTTGTCAGGTAATTAATATAGCCCCTTTTCTTTAGGGTTGGTTTCTGAAAATTTATT
TTGTACCTCTGATTGGACTATTTTTCTCTGATTCTTTGTGCTCCCTCTAATTTTGTGCTAATATCCACACA
TTAAAAACAACAACAACAACAAAAACAATTACCTCTCCAGTCTCTAAGGACTGGCTTCATACAGAGAAAGA
GACCTTCATTAATCAGCCTGGCTAGAGATGCTGGAGGCCTCTCAAACCTTTTCTATGGAAGTGTCTTCTCT
GGACTTATGCAGTCGACNN

Table3 5040

NNCAAGGTCCAAAGAAGGTGAAGGAATCCTGATACTGAGCGGTCCTTAATGCAAGTCGGTTATGC
CTGTAGGTTGAAAGGCATCAGGGAGGAAAATGGCCGCAGCAAGGAGAGGCGGCGGCGGCCTCGGCTGAAGA
AAGAAGGTGGGAGCGGAGAGCGCAGGCGTGAAATCTTCCCAAGGCTGCAGACACCGACGGATTTGCTTTGG
GAGCCAGAGTAGCTGCCGCCACCAGAGTCCGGAGCCATGAGCAGGGTTTAATTTTGGAGGCACTGGGGCCC
CTACAGGCGGGTTCACGTTTGGCACTGCAAAGACGGCAACAACCACACCTGCTACAGGGTTTTCTTTCTCC
ACCTCTGGCACTGGAGGGTTTAATTTTGGGGCTCCCTTCCAACCAGCCACAAGTACCCCTTCCACCGGCCT
GTTCTCACTTGCCACCCAGACTCCGGCCACACAGACGACAGGCTTCACTTTTGGAACAGCGACTCTTGCTT
CGGGGGGAACTGGATTTTCTTTGGGGATCGGTGCTTCAAAGCTCAACTTGAGCAACACAGCTGCCACCCCA
GCCATGGCAAACCCCAGCGGCTTTGGGCTGGGCAGCAGCAACCTCACTAATGCCATATCGAGCACCGTCAC
CTCCAGCCAGGGCACAGCACCCACCGGCTTTGTGTTTGGCCCCTCCAACAACTCTGTGGCTCAGCTACCAC
ATCTGGAGGCTTCTCATTCACTGGTGGAAGCACGGCCAAACCTCCGGTTCACATTGGGTCAGCAGGGAATT
CAGCCAGCCCACGGCACTGCACGTAGCCCTTCACTCAGGCAGCCCAGAAGCACCAAAGCAGGTGCCACAAA
GCCAGGCTGCTCCCAAACGACAAGGCACATTATCAGAACGGGAGGCCAGACCTACTAGGCGGTCACACACG
AACGTGTCCACAACGCGCCTGTGCACACCTGTGGAGCCTCCTCTGGGACCCCTGGTCCCCAAGGGCGGGGC
CCCCCGGGTCGGAACACGCGGTACAGATACAGGGAACTGAGCAGGACGGCAGATCACAAAGACAACAAGCG
GGGCACGAGCACGAAAACAAAAGGAGAGGAAGCAGCAGCGGCGGTCATCATGAGCATGACN

Table 6
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Table3 5041

NNNNNNNNCAGCTTAAAGGCGATATTTTAACATGTTTATAGATACTACTTGGGGGAGGGCAGCTA
ATGAAACCTTCAAGCTCTATGCAGTCCACAGACGTGAGCTCTGTAGAGTTCGCAGAGGTGGGTAAGTACCC
AGCCAGCACACCCAGTTGAATTCAGCCAGGATTTATTGAGTTGGCATCACGGACGCTGACAGCCTCCAAGT
GAAAACCCTTCTCTTGAATATGTACAGGTTTCCCATCCACATACCAAGCTGATGAGGATCCCATCGTTCTT
CCCCAGTCCTGAGGAGCCCCCCTCGCCATCTGCACCTTCCATAGCCAAATCAGGGTCATTGGACTCAGAAC
TTTCAGTGTCCCCAAAAAGGAACAGCATCTCTCGGACACACAAAGATAAGGGGCCTTTTCACATACTGAGT
TCAACCAGCCAGACAAACAAAGGACCAGAAGGGCAGAGCCAGGCCCCTGCGTCCACCTCTGCCTCTACCCG
CCTGTTTGGGTTAACAAAGCCAAAGGAAAAGAAGGAGAAAAAAAAGAAGAACAAAACCAGCCGCTCTCAGC
CCGGTGATGGTCCCGCGTCAGAAGTATCAGCAGAGGGTGAAGAGATCTTCTGCTGACCCTCTTCCTCTCTG
CTGAGGCAGCTGCCTCCTGATCCTGGCCAGCCCACCTCTCCTGCTGTCCCCGCGTGCACAAGTCTCTTACA
CTGGACGCCCACTGCTCCTCAGCGTCCAGTCCTCCTGGGCGGCCCCAGGTCCTGGACAATAAGCAACAGAT
GATATTGAGTGTCGGGTGGGGAAGGAGGCCCAGACTCTGCTTCGGCCATGATTTGTGACTGCCCAGGACTC
TCAGGTTGGGCTGGCCCTACTCAGGATTACACTGAAAGTAATGGCCTCGTAAGTACAGGTGATGGTTTTGG
ACACGTCAGGAATTCCTAAAGGCTGAAAGAGTGTATCCAAGTAAGGTCTGAACCTCCGACTGCCTTTTATT
TGGGGGAACACAAAACCAAACAGCAGATGTTTTGGACTTGATCTGTGTACGTACATGGGGACCTGTCTGCA
TATACACACGGGGAATGCCAGAAGAAGGCCCAGTCTGCACCAGGCGTCTGGTCAACTTAGCACAAGGGCAG
TGCCTGGACGGACCCGGAGCCCCCGCATATCAGCAGTTCACCCAGTACTCCTCAGAGACTGGTTTCCCTCT
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TTGTGAAACCAGTGAGAGAAGGCTTGATGTGTATAAAAGACGTGATGTGCACCACCTCGATCTCGGTGTTT
CAGGCACTAAAGCAACAAAACAACCCATAGTATCTCATTTTGTCATCAGATCCAGAAGAAATATCCTGGTT
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GTCGTGCCTCTCCCAGACAGCAGCTGTCTGGCCCTTGCTGGGTGAGGGCACACCACTGCCAGGGGTCAGCC
TCGCACCCAGGCCAGGCAGAAGCTGTGCTCTGAAGCTAGGACAGCTGGCTGAGAAGTGGGTTCAGGCGAAG
GGTGAAGCCATGTGTAGCAGTTCCTGCCAGTGCAGATCTGGAGAGGAGCTGGCCCGGAAGGCGTGGTTGTG
AAAGCGCCCTTCTTATGTTAGGAGGCCTTGGCAAAATTGGATTTCTTCAAAAATACATGTAAAGGTCTGTT
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CCACCGTGTTTTCATCTTTGTTCACTTGAGGCTTTCCCCAGCTGGTGTGTGCAGGACAGTTCATGGTAATG
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TCTTGCTTTTTTGCCCCTCGGAAGCATGGGGCTTTTGAGCACACTTAAAAAAAGAAAAATCTGTAACTTGG
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TGGTTTAAAATTTGTAGCCTACATTTGTTTTATTTATTGTATTTGTGTGTTTGTGTTTGTTTTTTTTTAAG
GGTGAGCCAGGTCTAGCCCAACAGTCTAAACTATCCAGTCAATACCGAGTGAAGTGGCAGCCAGCACTGTT
CACTCTGTGTCTTTTGAAGTGCCTTGAAGGCCCAGATGAAATTTTAAAGGGAGGGGGTCCATGTCCTTCCC
TCCCCCACCCCGCCTCATTCTTTAATCAAAGGATGTCTTCTCCCTTGTTTGAGAATGAAGAAACTCGCCAC
CTCTGACCTACCTTTGCCTTTTTCTGTCATGGAGAATACTCACCCTTCAGAAACAGACCAAAGGCCAAAAC
CTGCTGATTTTTCTATTGAAAATATGTCCCCTTGCAAAGACCCTAAACAAAAAGTTAAGTTTCTTTCTTTC
ACCTATTTGTACAACTCCAAGTTACAGCTGAATCTGTCGTGACTTTCCTGAGATCTACCCGGGGCTTGGCT
GTCTGTTCTGGGCACTGGCTCCGAGTTCCCCTCCTGGGATTTGCAGGAGGGCAGTACTGAACCTGCATTCT
TCTCCTTGTAAATGTAGGCCGGGTGCCCCTGTTCTCCGGGTTTGGAACAATACGAGGTTGGTGCTGATGGG
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GTCTTTTTTAAAAATAGAGATTTCACATCTGCCCAGACCCCACTCAAAACGATTTGGTCAGGTTCTGGTTG
GACAAGTTTAAAATCAAAGTAGTGCCCGGAATTCCCTCAAACCACCCAACTTCATCCAGGAATACAGTCTG
CAGTGCAGCAACAGAACCGCTTACCAAGAACTGTGCTTACATACCTTTGTCATCTCTCTTCCCCCCTTGGA
AGTTGTCCTCAGGGGGATTTGTTCCTGTCCTGGGGATTTACCTGGGATGGTGGCTGCCTGTGCTTTTGCTC
ATGGCCTTGACAGTGCTCTAGTTGCTGGATCTAATGGCCTGTCTTGGTTTCTATCACATGAGAAGGGGTTG
TTTTTTTGGGGTGACTCGGACTGAATTCCCCATACTGTTTCCACGCCGGGACACCATGTTCTCCATCAAGC
TAAAGAAATCACGTGCCTGAAACTGTGCTTAAGTTTTGGGGGAAAGATGGAGTTCCTATCCAGAGCCCCCA
GATTTCCAGAATCGAGTGAGCTTCCTGGAAGGAGACTGCGTCTTCTCTCAATTCCAGTCATCTCAGTCGTT
GTCGTTAGGTGACATGTGCACTTTAAATGCTCTCATCGGTTGGCTTCATTTTCAAGACAATCAAATGTATT
GACTGTGTTTTCNNNNNNNNNNN

Table3 5042

TCGACCCACGCGTCCGCCAGCCGTGGCCTCTCCCCCTCCACTAGACACGCTGAAGGGACTGGGTA
CGTGTTTTCCTTCAGGACCAGAGCTGAGAGGAGCTGGGATCGCGGCGGCAATGGAACGGGCCTCAGAAAGG
CGCACGGCCAGCGCGCTTTTTGCGGGGTTCCGGGCCTTGGGACTTTTCAGCAACGACATTCCACACGTGGT
GCGGTTCAGCGCGCTCAAGCGCCGGTTCTATGTAACAACCTGCGTGGGCAAGAGTTTCCACACCTATGACG
TTCAGAAACTTAGTCTGGTTGCAGTAAGTAATTCTGTTCCACAGGATATCTGCTGTATGGCAGCTGATGGC
AGATTAGTCTTTGCTGCTTATGGAAATGTTTTCTCTGCATTTGCCCGTAATAAAGAGATAGTACATACCTT
TAAGGGTCATAAGGCAGAAATCCATTTCTTGCAACCCTTTGGAGACCACATTATCTCTGTTGATACTGATG
GCATTCTTATTATTGGCACATATATTCAGAAGAAGAATACCTGCAGTTGACTTTTGATAAATCAGTATTTA
AAATTTCTGCAATTTGCATCCAAGTACCTACTTGAATAAAATACTTCTGGGCAGTGAACAAGGAAGCCTGC
AAGTTGTGCGCATGTAACATCCAATAAACTTCTATATACATCTCCAGGATGGACAAGTTGGAGTTGCCAGC

Table 6
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CTCTTCAAGCAGGCACCAGCCGGGATGTGTGGCATTGGCTAGGTCGGGCAGTTATCATCGCACCATAATTT
ATGAACCTTAAGAAGTTCGGCAGAATGGGGCCATTCTTCATCATATGCACAGAGGTCACGTATGGACTGGA
CCAGGGCCATGGGCTGGCTCAGAGATGAATCCAGAATACCNN
Table3 5043
NNAAAATAAAAATGTTTCCAATGGCCACTTCTTATCTGATCATCATTCAAGCCTTTTTATTGGTT
TGTCCTTCCCCGATTACCAGCCGAATCCTGAAGAGACACTACTACAACAAAATGGAACACAAGAAGAAATA
AAATGTATGGATCAAATAAAGAAAATTGAAACAACTGGTTGCAACCAAGAAATAACATCATTTGAAATTAA
TCTGAAGGAAAAAAAGTACCAGGAGGACTTTAACCCGCTGGTGAGAGGATGTTCCTGTTACTGCTGTAAGA
ATCACACTCGGGCATACATCCACCATCTGCTGGTGACCAATGAGCTGCTGGCCGGAGTCCTGCTTATGATG
CACAACTTTGAACACTACTTTGGGTTTTTCCATTACATCCGGGAAGCACTAAAAAGTGACAAACTGGCACA
GTTGAAAGAGCTCATCCACAGGCAAGCATCTTGAGATCTTGCAAATACAAGTCTCACTCTTCACACTGAGC
CTGTACCACTGTTGTAACATGGGAAGACGTGAAGAAGAAATAATCTGAGCTTTAATTATTTATATTTGGAT
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AGATTCTGAGGGACCCATGAATTGGATTGAGGCTTGAGGGGAAATGGTGTGAGACGAATGGGCTCTGGACA
TATGCCTGTTGATTTGAGAAGAAATCTGGCTGGTTTGAGGGTTTCCTTTAGTTCACCCTCATACTCTCAGG
AGACTCTTCTGGATACTTTTGTCTTCCACCCTGCCCTGGCAGTGCAGCCAATCAGAAATGGCTCTTGTGAC
TTAACTGGGCTTGGATATCCCTGGAATGTGGGGCTTGAACATTGCTCCTGTGATGATCATCTGTCCCAGGT
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GCCAGAAGTTTGCCCAGCTGCTTTCTTCTGGTTGTACAGATCCATTGTGGTCTGCCTTCCAGGCTCATTAA
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TAACTTCTCCATGGCTGCTTCCTGCTGAATAAATAGGGACAGGCATAATGGATAGGAATGAATGAACTTTT
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GTTGTCATCCTGGGAGACAGGCAACAGTAGAGATATTTGAGAGCCTAAAGAGAGGTTTGGCCTGTGGGTTT
TTAAGTGGTTATTGAATTGGTATCAGGAGATCCTGAGGCTGGTAGGGGAAGGTAATTCTTTCTAAGTTACC
TCTGTATTTTTCAAGTTTTCTATAAGGAATACACATACACCCACATGCACACACCATAGTTTTTATACAAA
CAGCAATAACAAAACCAAAAAGATGCCCCTTTTTTTGTAGGGATAAGAAATACATTTGTTTTATACTTCTA
TGCTATATTTTGCTATTCAAAATTTAGTGGGCATTACTTAACATTGTTTCTAATTATTTTGTGGCTGCTGT
ATGTTTTATGTGTTGGGAGCCCATTGTATTAGGCCGTTCTTGGATTGCTATAAAGAAATACCTGAGACTGG
GTAATTTGGTTTTTTGGTTTTTTGGGGTTTTTTTTGAGACGGAGCCTTGCTCTGTCGCCCAGGCTGGAGTG
CAGTGGCGCGATCTCGGCTCTATGCAACCTCCACCTCCTGGGTTCATGCCATTCTCCTGCCTCAGCCTCCC
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Table3 5045
NCGACCGCTCCTTGGTCGCGGTCACTCCAGGCTGCCTCGCTGCGCCGCTGGCGGTGGGCGTGGCG
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CCGCGCGGGGCTCCCCGCTGGGCCACCCCTTCGCCAGCGCCCAGCCCCGTGCGGCCTGTCGGATCAGGCAG
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GCGCCCATTGTGAGGTCACGTCCTGCAGGCGCGCCCTGGCACCCGGGCCAAGACGCCCGGAGCGGCTGCTG
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CTTTCATTTGATGGAAATCGAACCGATAAGAACTACATCCGGCTGGAAGAGCTGCTCACCAAGCAGCTGCT
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CAGACCAGCCCACCAGCGACACAACACGCCCAGAAAAAGGAGCGGGGGCTCAAAAACTCCCGGCGCCCCCA
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Table3 5046
GGGACGTGATGTTGGAGAACTACAGGAACCTCGGCTTCCTGGCGGGACTCTGTCTTCCTGACCTG
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AAAGCCTTCAGAGTGTCTTCAAGTCTTATTAATCATCAGATGATACATACTACAGAGAAACCTTACAGATG
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Table 6
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AACCATACCAATGTGATGTATGTGGCCGGATCGTTCAGTCACAATTCAGATCTTGTAAATCACCGGAGAAG
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TCAGAGAGTTCATACTGGAGAGAAACCTTACAAATGTAATGAATGTGGCAAAGCCTTTAATTGGGGCTCAT
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AATTACGGTGGATACCTTTCGGTTCATATGAGATGTCATACTGGAGAGAAACCTCTCCATTGTAATAAATG
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Table3 5048
NNNNNNNNNAAAACAACCACAATAACATTAATAATAGAAAATTCATCTGTAAATATTCACAGTCT
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TAAGAACCTAGGAGGGAAAGGAAGATTGAGCAACATAGGAAAAGGGGAAGAGAGGCTGAGTGTCACCAAGG
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GTGGTGCGCACCTGTAGTCCCAGCNN
Table3 5049
NNNACACCCCGGGCAGGTGGAGCGCTCGCGGCTGCTCGCGGCGAGCCCGGGAGTGATGGCGAGGC
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CCAAATGGCCAAAGAGCACAAGAAAACAGTGGGGCATCAGTTCAGAAACTCCCTGCACCTGCTTATGGAGA
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Table 6
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GTTGATGTCATTATTTATTCAGGATGTATTACATTGATGTGCTCATTAATTTTCCCTGGGTGGATATTGCG
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ACTGTCTGTTAANNN
Table3 5051
TCGACCCACGCGTCCGGCACCGGGCGCCGCCAAGGTAGCTGTAACTGCCACCGCGATGCCGAAGG
CGCCCAAGCAGCAGCCGCCGGAGCCCGAGTGGATCGGGGACGGAGAGAGCACGAGCCCATCAGACAAAGTG
GTGAAGAAAGGGAAGAAGGACAAGAAGATCAAAAAAACGTTCTTTGAAGAGCTGGCAGTAGAAGATAAACA
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AAAAAAAGCGAGATACCCGAAAAGGCAGGCGGAAGAAGGATGTGGATGATGATGGAGAAGAGAAAGAGCTC
ATGGAGCGTCTTAAGAAGCTCTCAGTGCCAACCAGTGATGAGGAGGATGAAGTACCCGCCCCAAAACCCCG
CGGAGGGAAGAAAACCAAGGGTGGTAATGTTTTTGCAGCCCTGATTCAGGATCAGAGTGAGGAAGAGGAGG
AGGAAGAAAAACATCCTCCTAAGCCTGCCAAGCCGGAGAAGAATCGGATCAATAAGGCCGTATCTGAGGAA
CAGCAGCCTGCACTCAAGGGCAAAAAGGGAAAGGAAGAGAAGTCAAAAGGGAAGGCTAAGCCTCAAAATAA
ATTCGCTGCTCTGGACAATGAAGAGGAGGATAAAGAAGAAGAAATTATAAAGGAAAAGGAGCCTCCCAAAC
AAGGGAAGGAGAAGGCCAAGAAGGCAGAGCAGGGTTCAGAGGAAGAAGGAGAAGGGGAAGAAGAGGAGGAG
GAAGGAGGAGAGTCTAAGGCAGATGATCCCTATGCTCATCTTAGCAAAAAGGAGAAGAAAAAGCTGAAAAA
ACAGATGGAGTATGAGCGCCAAGTGGCTTCATTAAAAGCAGCCAATGCAGCTGAAAATGACTTCTCCGTGT
CCCAGGCGGAGATGTCCTCCCGCCAAGCCATGTTAGAAAATGCATCTGACATCAAGCTGGAGAAGTTCAGC
ATCTCCGCTCATGGCAAGGAGCTGTTCGTCAATGCAGACCTGTACATTGTAGCCGGCCGCCGCTACGGGCT
GGTAGGACCCAATGGCAAGGGCAAGACCACACTCCTCAAGCACATTGCCAACCGAGCCCTGAGCATCCCTC
CCAACATTGATGTGTTGCTGTGTGAGCAGGAGGTGGTAGCAGATGAGACACCAGCAGTCCAGGCTGTTCTT
CGAGCTGACACCAAGCGATTGAAGCTGCTGGAAGAGGAGCGGCGGCTTCAGGGACAGCTGGAACAAGGGGA
TGACACAGCTGCTGAGAGGCTAGAGAAGGTGTATGAGGAATTGCGGGCCACTGGGGCGGCAGCTGCAGAGG
CCAAAGCACGGCGGATCCTGGCTGGCCTGGGCTTTGACCCTGAAATGCAGAATCGACCCACACAGAAGTTC
TCAGGGGGCTGGCGCATGCGTGTCTCCCTGGCCAGGGCACTGTTCATGGAGCCCACACTGCTGATGCTGGA
TGAGCCCACCAACCACCTGGACCTCAACGCTGTCATCTGGCTTAATAACTACCTCCAGGGCTGGCGGAAGA
CCTTGCTGATCGTCTCCCATGACCAGGGCTTCTTGGATGATGTCTGCACTGATATCATCCACCTCGATGCC
CAGCGGCTCCACTACTATAGGGGCAATTACATGACCTTCAAAAAGATGTACCAGCAGAAGCAGAAAGAACT
GCTGAAACAGTATGAGAAGCAAGAGAAAAAGCTGAAGGAGCTGAAGGCAGGCGGGAAGTCCACCAAGCAGG
CGGAAAAACAAACGAAGGAAGCCCTGACTCGGAAGCAGCAGAAATGCCGACGGAAAAACCAAGATGAGGAA
TCCCAGGAGGCCCCTGAGCTCCTGAAGCGCCCTAAGGAGTACACTGTGCGCTTCACTTTTCCAGACCCCCC
ACCACTCAGCCCTCCAGTGCTGGGTCTGCATGGTGTGACATTCGGCTACCAGGGACAGAAACCACTCTTTA
AGAACTTGGATTTTGGCATCGACATGGATTCAAGGATTTGCATTGTGGGCCCTAATGGTGTGGGGAAGAGT
ACGCTACTCCTGCTGCTGACTGGCAAGCTGACACCGACCCATGGGGAAATGAGAAAGAACCACCGGCTGAA
AATTGGCTTCTTCAACCAGCAGTATGCAGAGCAGCTGCGCATGGAGGAGACGCCCACTGAGTACCTGCAGC
GGGGCTTCAACCTGCCCTACCAGGATGCCCGCAAGTGCCTGGGCCGCTTCGGCCTGGAGAGTCACGCCCAC
ACCATCCAGATCTGCAAACTCTCTGGTGGTCAGAAGGCGCGAGTTGTGTTTGCTGAGCTGGCCTGTCGGGA
ACCTGATGTCCTCATCTTGGACGAGCCAACCAATAACCTGGACATAGAGTCTATTGATGCTCTAGGGGAGG
CCATCAATGAATACAAGGGTGCTGTGATCGTTGTCAGCCATGATGCCCGACTCATCACAGAAACCAATTGC
CAGCTGTGGGTGGTGGAGGAGCAGAGTGTTAGCCAAATCGATGGTGACTTTGAAGACTACAAGCGGGAGGT
GTTGGAGGCCCTGGGTGAAGTCATGGTCAGCCGGCCCCGAGAGTGAAGCTTTCCTTCCCAGAAGTCTCCCG
AGAGACATATTTGTGTGGCCTAGAAGTCCTCTGTGGTCTCCCCTCCTCTGAAGACTGCCTCTGGCCTGCAG
CTGACCTGGCAACCATTCAGGCACATGAAGGTGGAGTGTGACCTTGATGTGACCGGGATCCCACTCTGATT
GCATCCATTTCTCTGAAAGACTTGTTTGTTCTGCTTCTCTTCATATAACTGAGCTGGCCTTATCCTTGGCA
TCCCCCTAAACAAACAAGAGGTGACCACCTTATTGTGAGGTTCCATCCAGCCAAGTTTATGTGGCCTATTG
TCTCAGGACTCTCATCACTCAGAAGCCTGCCTCTGATTTACCCTACAGCTTCAGGCCCAGCTGCCCCCCAG
TCTTTGGGTGGTGCTGTTCTTTTCTGGTGGATTTAATGCTGACTCACTGGTACAAACAGCTGTTGAAGCTC
AGAGCTGGAGGTGAGCTTCTGAGGCCTTTGCCATTATCCAGCCCAAGATTTGGTGCCTGCAGCCTCTTGTC
TGGTTGAGGACTTGGGGCAGGAAAGGAATGCTGCTGAACTTGAATTTCCCTTTACAAGGGGAAGAAATAAA
GGAAAGGAGTTGCTGCCGACTGATAAGGGTGGCGATCGATGGACTGAAGGTCCCAGTTCTCAGTCTTGATT
TGCTTTATTCAGTTTTCTAGCAGCTTTTAATAGTCCCCTCTTCCCCACTAAATGGATCNNNNNNN

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Table3 5053
ACGCGGGGGAGGCCACGCCCACGAGGGCAGCTCACAGAATTAGAAAGCCGACGGGGGCTGTGGTC
AGGAGGCGCGTGGGCGGCAGAATTTCGAGGATGTCAGATGTAAATGTATCTGCCCTCCCTATAAAGAAAAT
TCTGGGCAATATTTATAATAAGAACATTTCTCAGAAAAGATTTGTGATTGCCTTCATGTTGTGGAGCCCAT
GCCTGTGCGGGGGCCTGATGTAGAAGCATACTGTCTACGCTGTGAATGCAAATATGAAGAAAGAAGCTCTG
TCACAATCAAGGTTACCATTATAATTTATCTCTCCATTTTGGGCCTTCTACTTCTGT
Table3 5055
CAGTCCTGTTTGCCAGATGTAAAGACATGAAATGAGGCGAATACCATCTATCCCTGTAATTCCAA
CCCTANNNNNNNNNNNNNNNNNNNNNNNNGGATATAAACTAAACAAAAACNNNNNNNNNNNNNNNNNNNNN
NNNNNNNCAATCTGTGCTTAACTAAACCCCACTGTCTTCCAGGGTCAGGTTGGCCATCCGCAGGCGTAGTT
GCTAGGAAGGTTTGACAGATGTCCGCCTGTTGATTCAGGCGTTCCCAGGAATTGAAGCCAAGAAAACCAAG
GAAGGCCAGGCGCGGTGGCTCACGTTTGTAATCCCAGCACTTTGGGAGGCCGAGGCGGGCGGATCACGAGG
TCAGGAGTTCGAGACCAGCCTGGCCAGCATGGTGAAACCCCGTCTCTAC
Table3 5056
NNACTATAGGGCGAATAGTAGCTGCACGCGCGGTGGCTGCACCGCGGCAGGCGGCCGAGGCACGC
GGGGGCTGATGCCATTTTCAGCCTCAGCACGCCTGCACCCAGGCGCTCATTAAAACAGCATGTTGCTCCCC
ACTGCCTCGTGTTGTCTGTTGGCGCGCTGTCGGGGTTCGAACCGATACAAGAACCTTCCACCTACCTGGTG
CTTTGGCCTCATCTATAAGCGGCCAGTCATCTGCCCTAAGTGCTGCCGCCGAAGACTGAATGTCCTGGAAA
GTTTGCTGTCACATCTCCATTATGACAAAAGCATTGTGCCGAACAGATGAAAAAATGCATTGTCAACGGAA
TCTTTTATGTTTGTTTGTCTTCCTTTAAGCAACATTGCCTTACTTGTTATAAAAGATAAATAAATATTTGT
TCATTTCTAAACACAGACCAAGAAGAAAAAGAACAAAGT
Table3 5057
ACGCGGGGAGAACGTGTGCAGCTCAGCCAGCCACAGAACTGGAATTTTTCGCCGGCGGGGGGAGC
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ATGGCAAACAAGGGGGCATGGATGGGAAGCAAGCCCGCGGGGCCAAGGGACTTTCCTGGCATCAGGCTTCT
TTCAAACCCATTGATGGGCGATGCTGTGTCTGATTGGTCTCCTATGCATGAAGCTGCAATCCACGGACATC
AGCTGTCTCTGAGGAACCTCATCAGCCAGGGGTGGGCTGTGAACATCATCACGGCAGATCATGTTTCCCCA
CTCCATGAAGCCTGTCTTGGAGGTCATCTCTCTTGTGTGAAGATTTTATTAAAGCATGGAGCTCAGCACGG
AGCCAGCGTTCAACCTGAGAGTGATCTGGCATCCCCCATCCATGAAGCTGCTAGGAGAGGCCTGGCCAACA
TGGTGAAACCCCATCTCTGCGAAAAATACAAAAGTAGCCAGGCATGGTGGCACACGCCTGTAGTCTAAGCT
ACTTGNGAGGCTGAGATGGGAGAATCTCTTGAACCCAGAAGGTAAAGGCTGCACTGAGCTGGAATGCAGTG
GCGCGATTTCAGCTCACTGCAAGCTCCGCTTTCCGGGTTCATGCCATTCTCATGTCTAAGCCTAAATAAAG
CAGATTACCCTCAATTGCGGGTTGGCCCNNNNNNN
Table3 5058
NNNNNNNNNNNNCGGAAGTCTTCTAGAATTAATTAACGCGGGGGCTGATGCCATTTTCAGCCTCA
GCACGCCTGCACCCAGGCGCTCATTAAAACAGCATGTTGCTCCCCACTGCCTCGTGTTGTCTGTTGGCGCG
CTGTCGGGGTTCGAACCGATACAAGAACCTTCCACCTACCTGGTGCTTTGGCCTCATCTATAAGCTTTTCC
ACTGTCCTGAAACAAGATAGAGAATCTGAGCGGCCAGTCATCTGCCCTAAGTGCTGCCGCCGAAGACTGAA
TGTCCTGGAAAGTTTGCTGTCACATCTCCATTATGACAAAAGCATTGTGCCGAACAGATGAAAAAATGCAT
TGTCAACGGAATCTTTTATGTTTGTTTGTCTTCCTTTAAGCAACATTGCCTTACTTGTTATAAAAGATAAA
TAAATATTTGTTCATTTCAAAAAAAAAAAACACCCAGCATAACACACAACAAAAACGTTTGTTGGCCGCGC
ACGAGCGACCCCGAAAAAAAGGCTTTCTACAACCCAACTCGTTGGGGGGCCCAGCGGCACCCAAAGATGAA
TATGGCGACACGTGCCCACACAGCGGGTCCCAAGAGAACCCGTGCCGAGCCACTGGGCGCTGGTTTCCCCC
CAAATAAAACGCCCGGGGGACCACGGGCCGTTCTGGACACACTCAGAGGGGCTCCGAGCGCCAAACGGGCT
ATCAACACGGGGCCAGGAGCTGAAAACCGCCCCGCGNNNNN
Table3 5059
NNGCTCAGGGTTCCGGAGCCGCGGCCCGGGGAGGCGAAAGCGGAGGGGGCCGCGCCGCCGACCCC
GTCCAAGCCGCTCACGTCCTTCCTCATCCAGGACATCCTGCGGGACGGCGCGCAGCGGCAAGGCGGCCGCA
CGAGCAGCCAGAGACAGCGCGACCCGGAGCCGGAGCCAGAGCCAGAGCCAGAGGGAGGACGCAGCCGCGCC
GGGGCGCAGAACGACCAGCTGAGCACCGGGCCCCGCGCCGCGCCGGAGGAGGCCGAGACGCTGGCAGAGAC
CGAGCCAGAAAGGCACTTGGGGTCTTATCTGTTGGACTCTGAAAACACTTCAGGCGCCCTTCCAAGGCTTC
CCCAAACCCCTAAGCAGCCGCAGAAGCGCTCCCGAGCTGCCTTCTCCCACACTCAGGTGATCGAGTTGGAG
AGGAAGTTCAGCCATCAGAAGTACCTGTCGGCCCCTGAACGGGCCCACCTGGCCAAGAACCTCAAGCTCAC
GGAGACCCAAGTGAAGATATGGTTCCAGAACAGACGCTATAAGACTAAGCGAAAGCAGCTCTCCTCGGAGC
TGGGAGACTTGGAGAAGCACTCCTCTTTGCCGGCCCTGAAAGAGGAGGCCTTCTCCCGGGCCTCCCTGGTC
TCCGTGTATAACAGCTATCCTTACTACCCATACCTGTACTGCGTGGGCAGCTGGAGCCCAGCTTTTTGGTA
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GGGCCAAGGTCAGGGAGCAAGAGGTGTGCACACCAAAGCTATTGGAGATTTGCGTGGAAATCTCAGATTCT
TCACTGGTGAGACAATGAAACAACAGAGACAGTGAAAGTTTTAATACCTAAGTCATTCCCCCAGTGCATAC
TGTAGGTCATTTTTTTTGCTTCTGGCTACCTGTTTGAAGGGGAGAGAGGGAAAATCAAGTGGTATTTTCCA
GCACTTTGTATGATTTTGGATGAGCTGTACACCCAAGGATTCTGTTCTGCAACTCCATCCTCCTGTGTCAC
TGAATATCAACTCTGAAAGAGCAAACCTAACAGGAGAAAGGACAACCAGGATGAGGATGTCACCAACTGAA
TTAAACTTAAGTCCAGAAGCCTCCTGTTGGCCTTGGAATATGGCCAAGGCTCTCTCTGTCCCTGTAAAAGA
GAGGGGCAAATAGTCTCCAAGAGAACGCCCTCATGCTCAGCACATATTTGCATGGGAGGGGGAGATGGGTG

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GGAGGAGATGAAAATATCAGCTTTTCTTATTCCTTTTTATTCCTTTTAAAATGGTATGCCAACTTAAGTAT
TTACAGGGTGGCCCAAATAGAACAAGATGCACTCGCTGTGATTTTAAGACAAGCTGTATAAACAGAACTCC
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TGGGCTGGAGAATTTAGAATCAGAAGTTTCCTGGAGTTTTCAGGCTATCATATATACTGTATCCTGAAAGG
CAACATAATTCTTCCTTCCCTCCTTTTAAAATTTTGTGTTCCTTTTTGCAGCAATTACTCACTAAAGGGCT
TCATTTTAGTCCAGATTTTTAGTCTGGCTGCACCTAACTTATGCCTCGCTTATTTAGCCCGAGATCTGGTC
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ACATAGCATTAAATCCCAAATCCTATTTAAAGACCTGACAGCTTGAGAAGGTCACTACTGCATTTATAGGA
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GAGGTATTGGATTTTCACAGAGGAAGAACACAGCGCAGAATGAAGGGCCAGGCTTACTGAGCTGTCCAGTG
GAGGGCTCATGGGTGGGACATGGAAAAGAAGGCAGCCTAGGCCCTGGGGAGCCCAGTCCACTGAGCAAGCA
AGGGACTGAGTGAGCCTTTTGCAGGAAAAGGCTAAGAAAAAGGAAAACCATTCTAAAACACAACAAGAAAC
TGTCCAAATGCTTTGGGAACTGTGTTTATTGCCTATAATGGGTCCCCAAAATGGGTAACCTAGACTTCAGA
GAGAATGAGCAGAGAGCAAAGGAGAAATCTGGCTGTCCTTCCATTTTCATTCTGTTATCTCAGGTGAGCTG
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TGGGCTCCACATTGCAATGTTCAATGCCACGTGCTGCTGACACCGACCGGAGTACTAGCCAGCACAAAAGG
CAGGGTAGCCTGAATTGCTTTCTGCTCTTTACATTTCTTTTAAAATAAGCATTTAGTGCTCAGTCCCTACT
GAGTACTCTTTCTCTCCCCTCCTCTGAATTTAATTCTTTCAACTTGCAATTTGCAAGGATTACACATTTCA
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GAAACCCATTTGGTTTTTCCCCCTTGGAACCTGGTTTTAACCCCTTTTTTAACGGGGAAAAAAAACTTTGA
AAAAGTTTTTTTTTCACCTTTTAACGGGGAAATGGGTGGGTTTTAAAACCCTTTTCCCCCAAACGCCGGGT
TTTTATCCGGTTAAAAAAATAATTGGGGGTTTTTAACAGGAAAAAAAACCCTGGTCCAATTTGGCCAAAAA
AAATTTGGGAATTGGAATTTAATTCACCCCCCCCACAAATTTTAATTTTCCAAGGGGTTTTTTGGCAACAA
AAAAGGGTTTGAAAAAAAAAGCCCCCNNNNNNNNNNNNN
Table3 5060
NNAGAGGACCCAGTCCATTTCACCTGCATTAGATGTCTTATCACCAAGAACAGATGCAATCCTCT
CTGCTCGCTTATGAAGCTGAAGGCAGCTGGCTGTGCATACAGTGGTTCCCTTGGCATTTAACAGCATGAAG
AGTACATGGTCAGGAGTCGCCTGGGCTCGCCACTGTAGGATCTCTGCCAGAAACTGGTGCTTCCTCACCAA
ATCATTCTCTTCTATTTGTCCCAGATCCCTTCCAGCAGCTTGTGCTATACGTTTTCCAGCAACCAGATTCC
CAACCATCACGGAAGCAGGGCCTACACCTGGTTGTTTTTGCCGGGGCTTTGGCAAAGTTTGTCAACACAAT
GTATGGGGGCACATGAAGGATGTTGCAAGGATGCAGTGATCCCCTCCAGAAAGAGTTGTTTCGTCTGAGAT
ATATGGATTCCTCCTAGTGGAGTTTTTGGCAATGTATTGGCTGGCACCAGAGCAAGACAATAAACCCCCAC
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GTCTTTGTTCCGCAACCACCACAATGCGCTCATCATAAAATACAGACACAGAAAACACAGCAATTCTTCCT
CTATAAACAGTCTTTATTGATTCTACAGCCAATCCAGTAGCAACAATGTCATCAGCATTATGTCTTCGACC
CCTAAACCATCAGTAAGCCATCCATTTTCCCAACCACGAACACCAAACTACCCGGCCCTACAAACCCCAGC
AATCCTGATCGGATGAATGGCACATCCCCAACAGGAGAGCCTGCAGAATTCACTGGAATTACCTCAAATGT
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TTTCATCTGTTTTTGCAGAGCTGGGGAGGTCCATCTGGTTTCACAATGCACATCATCCCACCAGGCATTACA
TGCCCTACATCCTGGACCGTCAGTGCTGAATTTTTATCTTCAGTATTGACCCGTATTACCCCATAGCTCAA
TCCATTCATTGAGAGAATGGCTCTTCCTGGCAAAGGGGCTCCTGGAACTCCAGGCCTGCGGATTGCTACAG
TCATGGCTTCAGCAGACGTGGCGCACGGTCAGATGGCCTCAGGCTTCAGTCCATGACTTTGGAACAGACTC
AGGAAGGCATCACAGGATGACACGGACCAGGGGTTAGCTCCATCTGTCACAATTAACATTCGGAGGGAACT
CAAGCTCACGTCTCTTTGGTCCCGATGTGCCATCATAGCCCAGTGCAAGTCCCGACATTTTACTAAAGCTA
CCTTGGCTTTGTGAGCATGT
Table3 5062
CGACCCACGCGTCCGGCAAATATGCAGCGCTCCGCAAGATGAGCTCTCCTGCAGACAAGCATGGT
CTGAAACATTCTTTGAGCAATATTTATTGAGTGCCTACTATGTGTTAGGTACTGTGCCAGGCACTGATAAG
CCAGTGGTAAGGGAAACACAGCTCTAACCTCACCTCATTCTCCAGGTTACAAAGGCCATGTGCCCCTTTGA
ATCTGGCAGAGAAAGTTTCCTCGTTGTAAGTATTTGCATCTACTTCAAGCCAGATTCTTCTGCCTCTTTCT
CCTTTCCAGACCCCTACTCTGTGCAGTGCTGACCACAGCTAGAGCCACCGCCCCATTGCTCAACCAGTATT
TATTTCCCTAAACGACCCTTCCTCATATTCCCTTCCCTCCACCTCTCCTTACCAAGCACCCAAAAGAGGAT
TTAGAACTAGCAGGGTGGACATCATCTGGTTGTTTCTACTTTTCTCTGCCTAGCACAAAATTGGGAGAAAA
CTGGAGCCTCCATCCGCAGTCACACGTGTACAGATCTGGGGATTTGGATGTAGGCTTTTTCTAACTTCTCT
CTCAGAAGCTTCTACAGAAACCCTTCCATCTGTAGCCTCAAGGGCCCACCTCCAAGGGAAGGCTTAGGCAA
TGATCCTGTTTCTACCAACACTGCACCTTATCCCAGGAACCTGCCCTAGACCTCCAGAGACCATATTTTCT
CTCCCTCCATTTCTACCCAGACCTCCAGGCCTCCTTCTGGAATCATAGAACCGTAGAATTGGAAGGAATTT
TAGAGGTTTTCTAGTTGGAGTTGTGTCCAACAGAATTCATTAACACCAGCCTGGGCTTGTTTTTCCTCCTC
CCTCTGGACTTTTTTCATCTTTTCCTCCACCTCAAAAAATACTTACACACAGATTCTTCTTGTACAGGCAT
CAAAACCAACTCCTCTGCCCCTAAGGCTGTGTCCCTGTGGTCTCCAGCCACCCCTACCCCAGTCACTCGCC

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CCTTCCTCATCTCTGGAATTTGGCCAGGCAGTCCCAGAAGACTCTGGAGTGACCTCCTTTGCCTAAAAAGC
AGACAGATAGGCATGCCCCAGGCCCTGAGTGAGCAGAGGAGGACTGTAGGGTGAGAGGGAAAGAAAATGAA
GGTGACTTTCATGGAAGTTTCATTTCTTTTCCCCGATTGTACCAACTGCATGTACTTTTGGCCTGGCTGCA
AGGAGCAATATTGGTTTACTCTCGTATCCTTAAAAAGTTACAGAACTGTGTCTTAAGAGAATTATTTATAG
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TTTAAAAAAAAAAACCAACAAAAACGTAAAATAATCCAGATCAAAAACAATAANNNNNNGGGGGGCCCTTTA
TTTTTTTATAAAAAAAAACCCCCCCCCCCCCCCCCCGNN
Table3 5063
ACCAAAGCTCACTACTGCGGTTTGCCTGTGCCTGGACAATGAGGCGGAGCCACTGTTGTTGGGGC
ACCCCCTTCCCTCCCCGGGTTTGCAAATAGAGGCTACCGGGTGCTGTATTCAGCAACACCCGTTTTACTAT
TTGTTATTAAAACTACCCATCTTCCACCTTTCCTTTTTGATTAGCAATTTGTACGCGGGGAAGAAACATGG
ATTTAAATTGGGTCCTGCACCAAAAACTTTAGGATTCAATTTGGAAAGTGGTTGGGGCTCTGGAAGAGCTG
GACCAAGCTATAGTATGCCAGTGCATGCTGCAGT
Table3 5064
GCGACACAAGCGGCTGGACGTGAAGAGGAACACACCGGCGGAGAACACAGAACACCAACCCTCTC
TTTAGTCACCCTGGAGGCCTCGGAGAAGGCGGTTTCGGTGATCCGTGAAGAGACCCCGAGTCTGTTACATC
CCGGAGAATGACAAGAGAGCGAGTACCTGGGTGACGTTTACGTTCTGGGATTTCGGGAGATGCGGTTTTCT
GCACGCCAGGGGCCAAGCCTGAGACGTAGATGGACGGCAGGGATAGGAGCTCTCTCCGCGCCACAAACGCC
CCTGCTCATACCTGGGTTCCTTGATTTTCCTGCCTATATAACCGAGCCTCCCATGGCCGGGCTCTGAGCTC
TCATTCTGCGGACTGGGACAAAGGGGTTAACTGTGATGCGCTTTGTATAACCCCAGGATTCTGCACTTGCC
CAAGGGCGAGGCGCAAATCAAAAACTACGCACAACTGAACACCGAGATCAGGTGAGTCCTGAGTGTCTCAC
GACATAAAATCCTTACGATTTTAACAAGAGTTGTATTTGTGCTAGCACTGTTAACTGACAAACGCATGCCA
GATCCCATCTGTCTTTAAAGCTCAATGTGTGACGGTTAGACACGTCGATTGTCTCTTCAACTTTCTTATTT
GGAAAAACCAAAAAACCAAAACCAGTGGTCTGACTTGGCGAGGACCCTTCGAGCTAGTCCGTAGCCAATCT
GGAGTGATACTGGACGCTGTGGGAGAACAGCCATGTGAATACACCCGAGTGAACCCGTATAAGCAAGGGTT
AACGCGTACCATACCATGTTTCACGTCTCACGTTTAAAAACGCGGCACTGTGTCGCGAACGAAATAGATAA
AGGAGGGGCACATGGGAGAACACTAACAGCGCGCGCGCACCCACACANNNN
Table3 5065
AATATTTGCTTTTAAACATTTGATTTTCATCAATCTTTGGATGATTTGACTTTATTGTCAATATC
TAGTAAATTTGCCAAAATATTTTTTTTATTCCTTGCTCCCCTTTATCCCACTAAAAACTTGGGCGGGTAGA
ATTTTCTGTTTTCCTAAACAGGAAGGAGGCAAAGCTGGTTTCACCTTGTCGTCTAACTGTAAGCCCATAAA
GGAAATATTGGTCCAAAATTTTGCTTGAGCAAAGTTCTATTAATTCATTTGTACCCAAGAAATTTAATTCA
AGAAACTTAAATATGTAGTGAAAAAAAAATAATAATTTTTTTTAACAAGAAAAAAATATTCTAGCTTAAAA
GTCAAAGTAAAAACNNNNN
Table3 5068
agtcGGGAGGCGACTTCTCGGACGCCGCGGCGGTGCGCAGGCGCCGTGGCCGGACTGGGGACTTT
GTTCTCCGCGGAGAAACCCAAGGGCGGTGCCGGTGGCTGGCTGCGCACGCGCGCCGCCTCATTTCCGGTGC
TCTCTCTCGCTGGGTCGCTCGGGTCGGCTTCGGTCGCTACCGCTCCCGCTCTGCCACCCCCGCCAACCGCC
GCTCGGGCCTCCGTCGCTGCCGCGTCGCTTTCTCGCTCCTTGGATCGCACATCCTCCCAGATGCAGCGCCG
GGACGACCCCGCCGCGCGCATGAGCCGGTCTTCGGGCCGTAGCGGCTCCATGGACCCCTCCGGTGCCCACC
CCTCGGTGCGTCAGACGCCGTCTCGGCAGCCGCCGCTGCCTCACCGGTCCCGGGGAGGCGGAGGGGGATCC
CGCGGGGGCGCCCGGGCCTCGCCCGCCCTGCCACGCAGCCGCCACCGCTGCTGCCGCCCTCGGCCACGGGT
CCCGACGCGACAGTGGGCGGGCCAGCGCCGACCCCGCTGCTGCCCCCCTCGGCCACAGCCTCGGTCAAGAT
GGAGCCAGAGAACAAGTACCTGCCCGAACTCATGGCCGAGAAGGACTCGCTCGACCCGTCCTTCACTCACG
CCATGCAGCTGCTGACGGCAGAAATTGAGAAGATTCAGAAAGGAGACTCAAAAAAGGATGATGAGGAGAAT
TACTTGGATTTATTTTCTCATAAGAACATGAAACTGAAAGAGCGAGTGCTGATACCTGTCAAGCAGTATCC
CAAGTTCAATTTTGTGGGGAAGATTCTTGGACCACAAGGGAATACAATCAAAAGACTGCAGGAAGAGACTG
GTGCAAAGATCTCTGTATTGGGAAAGGGCTCAATGAGAGACAAAGCCAAGGAGGAAGAGCTGCGCAAAGGT
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GGCTTATGCTCTTATGGCCCATGCCATGGAGGAAGTCAAGAAATTTCTAGTACCGGATATGATGGATGATA
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GGGGGCTTTGGTACGTGGTACACCAGTAAGGGGAGCCATCACCAGAGGTGCCACTGTGACTCGAGGCGTGC
CACCCCCACCTACTGTGAGGGGTGCTCCAGCACCAAGAGCACGGACAGCGGGCATCCAGAGGATACCTTTG
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AGGCTACGAAGGCTATTACAGCCAGAGTCAAGGGGACTCAGAATATTATGACTATGGACATGGGGAGGTTC
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AGGCCAGTGAAGGGAGCATACAGAGAGCACCCATATGGACGTTATTAAAAACAAACATGAGGGGAAAATAT
CAGTTATGAGCAAAGTTGTTACTGATTTCTTGTATCTCCCAGGATTCCTGTTGCTTTACCCACAACAGACA
AGTAATTGTCTAAGTGTTTTTCTTCGTGGTCCCCTTCTTCTCCCCACCTTATTCCATTCTTAACTCTGCAT
TCTGGCTTCTGTATGTAGTATTTTAAAATGAGTTAAAATAGATTTAGGAATATTGAATTAATTTTTTAAGT
GTGTAGATGCTTTTTTCTTTGTTGTTTAAATATAAACAGAAGTGTACCTTTTATAATAAAAAAAAGAAGTT
GAGTAAAAAAAAAAAACACACAAACCTGTTAGTTTCAAAAATGACATTGCTTGCTTAAAGGTTCTGAAGTA
AAGGCTTGTTAAGTTTCTCTTAGTTTTGATTTGAGGCATCCCGTAAAGTTGTAGTTGCAGAATCCCAAACT

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AGGCTACATTTCAAAATTCAGGGCTGTTTAAGATTTAAAATCACAAACATTAACGGCAGTAGGCACCACCA
TGTAAAAGTGAGCTCAGACGTCTCTAAAAAATGTTTCCTTTATAAAAGCACATGGCGGTTGAATCTTAAGG
TTAAATTTTAATATGAAAGATCCTCATGAATTAAATAGTTGATGCAATTTTTAACGTTAATTGATATAAAA
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ACGCTGGGGCCAAAAGCTGTTGATTTTCTTAAGTTGACGGTTGTCAATATATCGAACTGTTCCCAAGTTAG
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ACTTTGTACATAAGTTAAAGTCCTAATTGGATTTGTACCGTCCTCCCATTTTGTTCTCGGAAGATTAAATG
CTACATGTGTAAGTCTGCCTAAATAGGTAGCTTAAACTTATGTCAAAATGTCTGCAGCAGTTTGTCAATAA
AGTTTAGTCCTTTTTTAATtCAAAaGTAAAtgtgatgaatggtcatttttttgggtggaccataaaatagt
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gggggatttatttctaagtttacaacaaacagttgatggagcttgTAACCTTAAGTTAAAAATaccaagct
tttacncctgcagttgtggaccggttgtttcaacacttcaaaatctcattgggagttcaatcatggctga
actggtggtcccaaaggtcagtttaatgcacactgttgccttgaacctgggcctatgtgccacatctggtg
ccagggtgtctgtaacaccacgggcgggtcccccagtcatgcgggggaggcccccaaagag

Table3 5069

ATTTGTTTACTTCTGTGTATTTTTTTTTTTTACATAAATGGAATTGCACTATATAGTTCTGTAGC
TCAGTTTTTAAAATTTGGTATTAAAATGTTCTTTCAGTTAGGGCCAAAGGGCATTTAACTTCAAGGTAAGA
CCCATTCCAGGACGGCAGAGATCATGTCTGTCTTGCGTATCCCTGTGTGAATTTTGCCTGACATGTTGCAA
ACACTCCGTATGGAAGTCTTGAGGGTCTTCTGCCCCAGTCAGAAAACCTCTGGGAGAACAGTTATCCCCAG
ACCTCAGACGCTCGACGGATACATGAGAAGCTTTCTTTGATGGATTCGATGTCAGGATCTCCATGTGAACT
TCCACTTAGAGGTGTCATGCTATGGGGCCTCAGCGTCACCACATCGTTTGGACGTCTGACCAGTTTCCTGA
CTTTGAGAGTCTCTTACTTTAAACATGAGGGATCAGCCCTAGAAAGGAAAGGAAAGACACACGCAAGAGTC
TGCCTCTGACTCCACCGGCGGCCACTCTCAGGATGGGTCCTCCAGACGGGATTTAAACAGAACTGTTTTGA
TAGGGACAGTGCTTTCTGTTGCTGTCCTGGGGCAGGGTGATGGCGAGGACACAGGGTGCTTTCAGATCCTC
TGCGTGGACAAGACCAGCTCTGGGCCAGCTTCCAGGAAGCCCCACTGGTAGCGACAGAACATGTCCAATTC
AGAAAGCCCTTCAGGGCTGGTTCAACTGGATATCGTATTTAAATGGATCTATTTATATTTCATATGTGTGA
AAGAAAGGCTTTGTTGGATGAACACATTTACACTTTTCTTTTTTTTTTTTTTTACTGATTAAAATTTTATT
ATTTTGGCCAGGTGTGGTGGCTCACACCTGTAATCTCAGCACTTTGAAAGGCCAAGGTGGGTGGATCACTT
GAACTCAGGAGTTCAAGACGAGCCTGAGCAACGTAGGAAGTCCCATCTCTA

Table3 5070

NNNNNNGACGCTCTGGCCATGGGTTGTGCAAAGAAAGCTTTTTATTTGAGAACACCTAGATACTT
TTGGAAATGTTCTTGTTGGATCACAAACAACCTAATTGACAGTCTATCGCCAACATCCACAAACACAGCAA
ACAGTCCAGTCCTGCAGACCACACAGGGTACATCTAGAGGGTTCTACTTGCATCACCCACACTTCCACTCC
TGTGAAACAACTGTCTTGGGCATGAGAAGGGCCAGGATAGGCCAGGTGAATGGCAGGCTGCCCAACAACCC
CAATCCCAAACCAACCTCCCAGGCCATGGGCCCAAGTCCCTGCAGGAAGATGCTAATAGGTACAACAGGTA
GAACATGTAGACACAAACATCTAGTTTATTTTTTCTGACTGTAACCAAAGTCAGCAAAAGAAACAACAAAA
CTTCAGTGCCCTAGAAATCCTCCTGGATTCAATGACAACACATCAATGGCCGGGCACAGGGTTGGATTCCT
TTTATGAAATCACCTTATAATCTCTCATCATCCCAGGACAGTGCCTTTTGGGACTGCATGAATCTTTAATA
GCTACACCACATTTTCTCATCCTTTAAGTTATGACAGACAGGTTATCTCTCTCCAAGAGCATCAGGTTAGA
TGCTCTTTCACTCTTACAAACTGTCAGGTGGAGGGAGAATCACGACATCGTTCATAAATAACTGTGGAGTC
TGGGATGCTGGCTGAAGGCATCTCCAGGAAGGACTGGAGGGCGATTTTGCTAAAGGGCTGCTCACTGCTCA
TTTCACTGCATGCCGCTTTTCTCACTTTGGTTGGGAGTTTGAAGGACCATGTAATCACAGAGATTAGAGCT
CCCTGTGAAATCAATCACTGCCTTTAGATCTCCACAAAGACCTGTTCTCCAATAGCACATGCGTTTCTCTG
TGAGCTGTATTCGCATCAGCGCCGGAGCCTCAGAAAGAATGCGTGTTTACACTCTGTACTCTCCAATGGGT
AATATTTATCATAGAAATCTAATACATATTCTTCAGTCTTGAATCCAAACTTCTGGTACAGTAGCATAGCG
GGGTTGCTTGCTGAGACGTGAAGGGTTACGTCCTTGCCCATGCAGGTCTGAATCAGATGATAGATCATGAA
AGTTGCAATCCCTGCTCTTCTCCATTCAGGGTGGACGAACAGAAATGAAATGTAAGCTTCATTGTATTTCA
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TTCAAGATCCGAGAGGTATAAGGGCTGACAATACTCTGGTCCACAGCCATATCTTCTGATCCTACCAAGCG
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GCTCCATAAATCCCGTCAACTAACAAAAGAGCAGCATTAACAACTTGATCCAAGTCAAAAAGTGGTAATCC
CCTATCCCTTTTCGCTTGTCTGACAATCAGTTTGCGTTTCAGTCTCCGAGCTTCCGGAGTCATGGCAACAG
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Table 6
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TGGGGGCATCACATCTGGAATCAGATCTGCTTCTGAAAGCAAGCTAGGTGTGGCAGAATGAGAGGCAGGTG
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AAGGAGGAAAAGTCAATCACTTCGCCTTTTTCCAGAATCACATCTGGCCTGCGGCCTCGGCTTATGAATTT
TACAGGGGTAGAAGATGTGCTCCTGTCAAGAAAGCCAGCGGCCTCCTTCTGGGCTCTTCTAATGTCTTCGG
ACGCGTGGGTCG
Table3 5071
aggttACATCACCTTGGTGCTGGGTCCAGCAATGTGTCACCATACCTGCTGAGGGGAGGGTACAG
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AGGTCCCCAGAAAAAGAGAATCACATCATTTAGGTAACAAAACCTGAGTTAGTCACTGTTACTTGTTTGGG
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CATGGCCCAGGCAGGAGAGAAGGGTCATATCACCTAAGCTCTGGATTCGCAGATAGGCCCCAATCTCTTTT
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CCCTTGTGGACAGGGACCAGGCAGGGGACTCACATCACAATAGAGGTAGGACAAGGAATACATCACAATAC
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GGTCAAGGTGGGCAGATCACCTGAGgTCAgGagttcAAGACCAgcctgGCCAACATGGCAAAACGctgtct
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Table3 5072
NNCGAATTGGAGCTCACCGCGGTGGCGGCCGAGGTACACTGGGCTCTCAACGTGGTGTGGAAGGT
AGCCTGTTACAGTGCTGGATTCATAAAAGGGCCTTTATGGTTTGTGAAAGAATATCTGTGTGCTTAGGGAG
GAAACTTTTTGATCTGCAGAAAAGCCAGAAGACATCTAGGACATCCATAAAAATTCATCAGAGAGCATTTT
ACTACTGAGCTGCAAAGGGAAAAACTTAAAATGGATATGAAAAGTGAAGAAAGTGATCATAGGAGAAAACC
ATTTCAGATGACAAGAGCACCTCAAAGGCAGCAGCCTCAAGGAGCAGCCATGGCCCCAGACTTGTCGCACG
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AATATGTGAGGNANNNNNNNNNNNNNNNNNNNNNNNNN
Table3 5073
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CGTCCGCGGAGATCTCTCTCATCTCGCTCGGCTGCGGGAAATCGGGCTGAAGCGACTGAGTCCGCGATGGA
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TGTGTGGTAATGAGGGATCCTGCAAGCAAAAGATCAAGAGGATTTGGTTTTGTAACTTTTTCATCCATGGC
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TAGCAAGAGAGGAATCTGGAAAACCAGGGGCTCATGTAACTGTGAAGAAGCTGTTTGTTGGCGGAATTAAA
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CGGTGGAAATTTCGGACCAGGACCAGGAAGTAACTTTAGAGGAGGATCTGATGGATAtggcAGTGGACGTG
GATTTGGGGATGGCTATAATGGGTATGgcaGGaggaCCTGGAGGTGGCAattttggaGGTAGCCCCGgtta
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acgcaaagacaacaacgcacaccccacgtcggaacaacagagacaaccgaacacggccacactgtacgccc
catctcgcaccgaggggacaccgcgcccaacagagagacaatgacaaccggcgcacaagagcgacgcgcaa
cgaccgcccggaacagcaagacacgacaacgcacgaccaacagaacagggaccaacaccacgc
Table3 5074
NNAGACCCCCACGCGTCCGGTACTCGGCCGCCTGAGCGCCGACCCACGCCCTGCCTGCTCTTCCA
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GATCCCCAGGCCCCCTCCACCCAGTCGGCTAGCCCTCGCCTCTGCCATCCGATACTAAAATGTCTGATGAT
GCTGGTGACACCTTAGCCACTGGAGACAAAGCAGAAGTTACTGAGATGCCTAATAGTGATTCTTTACCTGA
GGATGCAGAAGTGCATTGTGATTCAGCTGCAGTTTCACATGAGCCAACACCAGCTGACCCCAGAGGGGAGG
GGCATGAAAATGCAGCTGTGCAGGGTGCAGGGGCTGCCGCCATTGGGCCCCCTGTGCAGCCTCAGGATGCC
AACGCCCTGGAGCCCCCTCTCAATGGAGACGTGACTGAGGATACACTTGCTGAATGTATTGATTCCGTCAG
CCTTGAGGCAGAACCCAGATCCGAAATACCCCTGCAAGAACAGAATTATCTGGCTGTGGATTCCCCTCCAA
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Table 6
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CATGGATTGACGGCAGTCAAGGAAAAAGCAGGAGCCACTCTACGGATTCATGGTGTAAATTCTGGATCTTC
TGAAGGAGCCCAACCAAATACTGAAAACGGAGTCCCTGAAATAACAGATGCAGCCACAGATCAGGGCCCTG
AAGAAAGCCCACCCACTTCCCCTTCATCAGCCTCTCGGGGTATGCTGTCTGCATCACCAATGTGGTTCAAA
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TGGAAGATGACCCGGTTTTAATGGGCCCAGAGGGTCTGGGAGACTGGTGCCTTGACCAGAGTTTAGGGGAG
GTCGTGAAAGGGACCCGATGTTGGGGGCGTCTCTGTGGGACCGGCCAGGCGGTCTGGTAGTCAGTGTGTGG
GTGACCGTAATTCGCGATGAGCGTGCAGTTTCACTCTGGTGATCTCTCNN
Table3 5076
NNNNNNNNNNNNCGGAAGTCTTCTAGAATTAATTAACGCGGGGGCTGATGCCATTTTCAGCCTCA
GCACGCCTGCACCCAGGCGCTCATTAAAACAGCATGTTGCTCCCCACTGCCTCGTGTTGTCTGTTGGCGCG
CTGTCGGGGTTCGAACCGATACAAGAACCTTCCACCTACCTGGTGCTTTGGCCTCATCTATAAGCTTTTCC
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TGTCCTGGAAAGTTTGCTGTCACATCTCCATTATGACAAAAGCATTGTGCCGAACAGATGAAAAAATGCAT
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CAAATAAAACGCCCGGGGGACCACGGGCCGTTCTGGACACACTCAGAGGGGCTCCGAGCGCCAAACGGGCT
ATCAACACGGGGCCAGGAGCTGAAAACCGCCCCGCGNNNNN
Table3 5078
NNNNCAACAAATGTCGTCCCACACATGGTTAGGAACAGAAGAGACATGTCAACTCCTCACTCCTG
AGTTCCATTGGATGGCAGGCTCAGAACCCAGGACATGTTCTGAAGATGGGGAGGGGCCATTTTACAGGCAG
GCCGCGACAGGTAGCGTCAGTTAGAAATCAGGTCTCCAGTGTTCCCAGTTCCCACCAGTCCAACTGCGAGG
AGTGCGACGTGAGTCTGAGTCTGATCCCTCCGAAAACCGTACTTCCGGCGCTGTCTCGGAGGCCTCCCGTC
CCCTCCCTTGTCCGTCTTCTAACTCTTCCCCACGCCAGGTCCGTCAAGCCTAAGTCCTTGAGTTCCGGGTC
CGGGCAGCAGAGAAAGGAAGTCCTCTCCCTGGAGGCCTATCTCCCTCAGAACGGCGCGAGAAGCGAGACCT
TAGAAGGCAGCGCTTCCCGCGAAGGACCGGAAAGGAGCGCCTACTAAGGACGCCGTCGAGGTCCGGGGCGC
CTCAACTCTATAGCTCTAACTGGCTAGAAGTGCCCAACGTGGAATGTTTCTTTTTTAAAGGCGGCTCTTGA
AGCGACCCGGAAGCGGAAGTGGAAGAAAGTTCTAGTGGCTTGAGGTATCCGCAGGAGCGGCCGGGTGGCGG
GAGGAACCGTTACGGGAACTGAAGTTGCGGATTAAGCCTGATCAAGATGACAACCTCCCAAAAGCACCGAG
ACTTCGTGGCAGAGCCCATGGGGGAGAAGCCAGTGGGGAGCCTGGCTGGGATTGGTGAAGTCCTGGGCAAG
AAGCTGGAGGAAAGGGGTTTTGACAAGGCCTATGTTGTCCTTGGCCAGTTTCTGGTGCTAAAGAAAGATGA
AGACCTCTTCCGGGAATGGCTGAAAGACACTTGTGGCGCCAACGCCAAGCAGTCCCGGGACTGCTTCGGAT
GCCTTCGAGAGTGGTGCGACGCCTTCTTGTGATGCTCTCTGGGAAGCTCTCAATCCCCAGCCCTCATCCAG
AGTTTGCAGCCGAGTAGGGACTCCTCCCCTGTCCTCTACGAAGGAAAAGATTGCTATTGTCGTACTCACCT
CCGACGTACTCCGGGGTCTTTTGGGAGTTTTCTCCCCTAACCATTTCAACTTTTTTTTGGATTCTCGCTCT
TGCATGCCTCCCCCGTCCTTTTTCCCTTGCCAGTTCCCTGGTGACAGTTACCAGCTTTCCTGAATGGATTC
CCGGCCCCATCCCTCACCCCCACCCTCACTTTCAATCCGTTTGATACCATTTGGCTCCTTTTTTGGCAGAA
CAGTCACTGTCCTTGTAAAGTTTTTTAGATCAATAAAGTCAGTGGCTTTCAAAAAAAAAAAAAAAAAAAAA
AAATATAGAAAAAAAAAAGGAGAAGTAAAAAGAGAGAGGAGAAAAAAAAAAAGAAAAAGAAGGAGATAAAT
GAGGGAAAGAATGATAAGGGAAGAGGAAGAGAAAATGAGCACCAGTATGGTGAGGGACGACAGAGCCGACA
ATGAAGAACCACAGAGGAGGAGCAAAAAGGAAGACAGACAAAAAGAAGACGACGAAGAGGCGGGGGCGGGA
CAAGGAGGAAACACAACAGACAAAAGGCAGAACACAGCAGCAAGCACGAGACTAGCAAGCAACCAGGAAGA
ACACGAACAGACCACCACGACATGCACACGCCCGAGGCGAGCCANNN
Table3 5079
GCCCCCTTCCAACGGCCTTTTAGTATTATTGGCGGTCGCTTTCCCCGGCTGGATCAGTGTCATCA
TGCTCACGCAGCATCCCTCCCGGGCCACCCTCTCCTGCCTCAGCCTCCGAACAGCTGGGTACAGGTACGCC
CCAGCCCGCACAGGTTTTCACTAGGTTGCCTGGGCTCTTTCCTTCTTTGTCTGTGTTTGTTTGTTGGTTGG
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TAGAGAAAGAAGCAGGGGGAGTTCTTCCGAGGACAGACAAGATTTCTGGAGTTTGGAAAGGGTGAGAGACT
GGGTCAGCGAAAGGAACATTCCGGTCTTTATGTTGGGATGCAACGTATAGATACAGGGATGAGACCCAAAA
GAGCCGGCAGAGGTTTGTCATCGTGCTCGCAAGGCAACTGCCGGTGGCTGATCCCGTAAAGGATACACATA
CCTAGAGCGGAGCCTAAAGATGCATCCAGCATGACGGGTGGAGCCACGATGCTTGGACTCGAGCTCTGCTC
CTGTGCGTTCCGTGATCATGGCTTATACTACCTGCACCTCAGTTTTTCCCGGGCAAAAAGGAAGCTTGCTG
CCGCTGCGTTGGCACCTGCCTTAAAGTGCCAGCTACTCAGCGGGCTGAAGAGGAAGAAGTTCCTAC
Table3 5080
gGGAGTCGACCCACGCGTCCGTGGCCGGCTGGGCGCGGGCGACTGCTGGCGAGGCGCGTGGGACC
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AGCCTGCCGCCAAGATGCCGGCCTATTTTCAGAGGCCGGAAAATGCCCTCAAACGCGCCAACGAATTTCTT
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CAAAGGAGGGGTTATACCAGTATAAGAACATTTGTCAACAGGTGAACATAAAATCTCTGGAGGATGTTGTT
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Table 6
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TATAGAGGATCTAGATAATATTCAAACTCCTGAGAGTGTTCTCCTAAGTGCTGTAAGTGGTGAAGACACTC
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CCTCCAATACACGCGTAAGGCTGAATTCCGTAAACTGTGTGACAATTTGAGAATGCACTTATCGCAGATTC
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CAACTGTGTTTTGGAAATCTGGAAATGCTCTTTTTCATGCATCTACACTCCATCGTCTTTACCATCTCTCT
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AACAGCGTCGCCTTGCAACACTACTAGGTCTTCAAGCCCCACCGACACGAATTGGCCTTATTAATGATATG
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TTTGTTGACAAAAAAAGAAAAACTAAAAAATAAATTTAAAATGTGAACCTTCAGGTATTGAGTAACACCTT
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AGCAATTTGCAGTTGTTGTAATGACAAGATTACTGCGCAAGTGTGAATCCAAACAGTATAGCTTTTAAATT
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Table 6
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GAATTCATGCCTTTCAAGCATTTTAAATATGACAATATTTATAAATGTATGGTTTGGAGGAATCGTTTAAA
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ATAGTATTTTGTTTATAATGGTAAGTTTGCATATTCAGTTGAGTTTTTTTTACTTGAATTTTTATCAGTGC
CATTAAATGTCTGTGTTTAGTATCAATGAAAATGAACCTAAATATAACAAAGAAAGCATATGTGGCTAGGA
TGTCCCCCTAACATGTCTTCCTTTGTTAATGCAGGAATTCCTTAGTTTCCTTGTAACGCTGTCCTCTGAGT
TTGTGTGTGCATGTGCGTGTTTGAAGTACCACCTTGGGTTTTCACCTGAAATTAGAAAAATCGTAGTTAAT
TTGAGAAAATGTTACAAATTCATCATGGCTGTAGGCACTTATTTCTGTTATTGAGTAGTGGTGAGAATTCC
TATTGGTACAGCTGTAGGGCCAGAAGAGGGAGTATTGATGCTTTTTAACTTAACCAGATGCAGCTATTTTT
GTTTGATGTTACCAATGATAGAAATCATTTTAAACACCTTAGTATCTGGTATTTCAAATACGTAGAAGTCT
TTAAAGGTCTTTCGTGGGGAGAAGGACTTTTCTTTCATAACAAGAGAATTTCAGATCAGTGATTACAAGTG
GGGCAGTAACTTGCTAAGAGTTTGCTTCCTGGAGAGTAGATCTGTATGTGTGACATCACAGGTAAGCCCCA
AGAATTTATTTAATCAGATTTGTTCAGACGAGTTACTGCTGCCTACGTTAGAGTTAGATTTCAAGGCGAGT
CAGCAAACCCATCCTTTCTGCTCAGTCTCCCGTACTGTTCTCCCAAGTTCTTTGTTCTGGGAGTCAGAACC
CAAGTGCAAGAGGAGGGCAGAAGAGTCTGATGCTGTTACTTTGCGATCCTGCTCTTGGTTTCCACTGTCCA
GGCCATACAACTCTGTCTACTCCCATTAGTATTTACCAACAGGTGTTAAAGGAAAGCTGAACAAGCAGCCT
ACTCACCGATCTGCTAGGTGGTCTTCCATGTTCATGGTGGCTTCTGCAGTTTCATTGAGAGTAACATTGCT
GTTAATACAGATAGATCCAGTAGTAGAGACATCATCGGTCCAAAAGACTTTGCATCTCATTAGTTGTCCAT
AGTGACTACCAGGAGGTGGCTGGCATCTATAACGTGTGGGACGTTTTTATGTAAAGAACTGCCTGTGTTTT
TTTTTTTTTTTTTTAACCAAAGACACTGACCATAGATTGACTTATACTTTTATAAGTCTAATTGAAATACT
TGGGGTACTATGAAAGGACTGTTCCTTGAGTGGCTACGATTAGAAAATCAGGACTAACAAACTTTTCTTTG
TCTGGAAGCATATATATTTGTGATATAATTTTAATATGTATAATTTTgggttAATAAATCAAATCTATGAC
AA

Table3 5081

NNNAGGTTGGTGTTATAGATGCACTGGTCCTGATAAGGGTCTGGTACGCGGGAGAAGGACAGGAC
TATGTCGGCCTTAGGGTCCCCGGCGCACACTTTTCGAGGACTTCTGCGGGAGTGCGCTACCTGAGCGCGGC
ACCGGCGACCCTATCGCGACACCGCGGCTATCGGTACCTTGTGAAGGCTTTCCGTGCACATCGGGTCACCA
GTGAAAAGTGTGTGCAGAGCCCAACATGAGCTTCATTTCCAAGCTGCCACCTATCTCTGCCTCCTGCGTAG
CATCCGGAAACATGTGGCCCTACATCAGGAATTTCATGGCAAGGGTGAGCGCTCGGTGGAGGAGTCTGCTG
GCTGTGGTGGGTCTCAAGTGGCCCCATCAGCCTGGAGGGAAGGGCTGGGAGCCATGAACATGGAGAATATC
CTTTGGATTGCTGGCATTCATAGGAGAATGCGAATAATTTCTATCAACTATGTATTTATCATTAAAATTTT
TTTTAAGTTAACCTACAAACAAAACACAACAAACAAAAAAAAAACTTTTGTGGGCCGGCCTTGGGCCTTCA
GAAAAGGGTTTTTTAACCCACTCGTGTTGGCGCGGCCGGGGCCCCACGGTGGGTATAGCAGCACCCGTGGG
CCACGCGGGTCCCAAGGAGACCCGGGCACACGCCATGGGGTGTGGTTCCCACAAATAAAAAACCGCGGGGC
ACCGGGGGTCTGGACAACTCCCGTGGGCCGGGCCTAGCGGGTTATAACGGGCCAAGAGCTATAAGCGCACA
ANNN

Table3 5082

NNATTGGGGGCACTTTTATTTACAGCCAAGGAAAAAAGAAAACTACCTTCTATTTAAAATGGGAA
AGCTTGTTTGTATGAAAACAAATATTTCATCATCACTTATTTTCTATACTGTTGGCAACTAAGTTTTACAT
TTTTCATTTTCAACAGAGATTTGAATTTTAATGTCCCAGAAATATAAAGAAGATGGCTTTAAAATGTCCTA
TATGTTGGCAGTCCTACCCTGAAAACTTTTTTTGGCTTATCTTTGGTTCTGAGCTACAGTCTTCGCAGAGAC
TAAATTAGTGACTGGCCACCATAAAAAAAATTGCCCCTCCTGGCNNNNN

Table3 5083

NGGAAACATAGGAGTGAATGATTCCCCTGTTATTGATGGGAGACAACCTTTGATTTTTTTCTCCT
ACCCATTGGATCCTCATTTAAAAAAAAAATCTTTGTTTTTCTCCTTCTCCCCAGAGGCAAACTATGCAAGA
GGCACCAGACTTCCTCTTTCTGGTGAAGGACCAACTTTTCAGCCGCATAGCTCCAAGCAAACTGTCCTGTC
TTGGCAAGCTACAATCGATGCTGCTAGACAGGCCAAGGCTGCCCAAACTATGAGCACCTCTGCACCCCCAC
CTGTAGGATCTCTCTCCCAAAGAAAACGTCAGCAATACGCCAAGAGCAAAAAACAGGGTAACTCGTCCAAC
AGCCGACCTGCCCGCGCCCTTTTCTGTTTATCACTCAATAACCCCATCCGAAGAGCCTGCATTAGTATAGT
GGAATGGAAGTATCCTTTTTTTTGGGGGAAGTCTTTCTCATTTTCTCTTTGACCATCTGTTTTTTTTCTAGGA
TTTGCTCTCGCGGGGGACACAAAGCTGTAGCAGTCTGGAATGCGAGTAACAGAAGTTGTATATAAGGGGTT
TCATTGTATATACCTTCCTGTCTCTTCGGGTTGCAGAGGGGTGGCTGTACGGGTATATTTAGCCCACTGTC
TGGATGTGTGTATAGTAGTAGTAGTAGGGGGAGGGAGTGACAGCCTGAAACTTCACAGGGGCAGATAATTA
AAATGTGAAACCAACCTTTGGTTATTGGACATTAGATGGTTAGTTTTAAATTCAGTGTTGTCTTTGGGCAA
TAGCATGCATTGAACCTATTGCAAACAAGGTATACAGATTAGAAAAAAAGACTGTATAAGACTCTGTTTGA
AGGGAATACATTTTTGACCTTTAGTAGAATCTTCTCATTCTGATGTTTGAAATTTGCTTCTGCAACTACAA
TTAATGCTAAGGTTGCTTCTAGTCTGACATTTGGTGATCCTAATTATTCAGGTAGCTGCAGATATGAGCAC
ATGCTTCCTAGGGAGAGATTACTTTTGATTTTTTTTCTCTGATCAGTGCTATAACTTCCTGGAATTTCCTT
TTGACAAGTT

Table3 5084

NNNCACCAGTACCTGCCCTTCAGTCAAAAATGACTCTTGATCAACAGCACATTGAAACACCTGGT
CAAAATATACCAACTAAAGTAACTTCAGCAGTGGTTGGACCAAGTCATGAAGTCCAGGAGCAAAGTTCTGG
CCCATTCAAGAAACAGTCTGCTACCAATCTTGAATCTGAAGAAGACAGTGAAGCTCCTGTTGATAGTACAT

Table 6
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TAAATAATAACAGAAACCAAGAGTTTGTTTCTAGTAGTAGAAGTATAAGTGGAGAGAGTGCTACATCAGAG
AGTGAATTTACCTTAGGGGGTGACGACAGTGGTGTGTCAATGAACCCAGCTAGGAGTGCACTTGCACTGTT
GGCCATGGCCCAATCTGGGGATGCAGTCAGTGTCAAGATTGAAGAAGAAAACCAAGATTTAATGCATTTTA
ACCTTCAAAAGAAAAGAGCTAAAGGAAAAGGGCAAGTTAAAGAGGAAGACAACAGTAATCAGAAACAGCTG
AAAAGACCTGCCCAAGGCAAACGCCAGAATCCAAGGGGAACAGATATTTACTTACCGTATACTCCTCCTTC
CTCAGAAAGCTGCCATGATGGTTATCAGCATCAAGAAAAAATGAGACAGAAGATCAAAGAGGTGGAGGAAA
AACAACCAGAAGTCAAAACAGGATTTATTGCTTCTTTCTTAGATTTTCTGAAATCCGGGCCCAAGCAGCAG
TTTTCCACTCTTGCTGTACGAATGCCTAACAGGACTAGACGGCCAGGGACCCAGATGGTTCGTACATTTTG
TCCCCCACCACTTCCCAAGCCTTCATCTACAACACCCACACCTTTAGTGTCTGAAACTGGCGGTAACAGTC
CATCAGATAAAGTTGATAATGAACTTAAAAACTTGGAACATTTATCTTCATTTTCTTCTGATGAAGATGAT
CCTGGATATAGTCAAGATGCTTATAAAAGCGTCTCTACTCCCTTAACTACTTTGGATGCTACTTCTGANN
Table3 5085
GCCCCCTTCCAACGGCCTTTTAGTATTATTGGCGGTCGCTTTCCCCGGCTGGATCAGTGTCATCA
TGCTCACGCAGCATCCCTCCCGGGCCACCCTCTCCTGCCTCAGCCTCCGAACAGCTGGGTACAGGTACGCC
CCAGCCCGCACAGGTTTTCACTAGGTTGCCTGGGCTCTTTCCTTCTTTGTCTGTGTTTGTTTGTTGGTTGG
TTGGTTGGTTTTTGTTTGTTTGTTTCGAGACGGGGCTCCGGCTCTGCCGCCGGGGGCTGCAGTGCAATGGC
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GAGCCGGCAGAGGTTTGTCATCGTGCTCGCAAGGCAACTGCCGGTGGCTGATCCCGTAAAGGATACACATA
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CTGTGCGTTCCGTGATCATGGCTTATACTACCTGCACCTCAGTTTTTCCCGGGCAAAAAGGAAGCTTGCTG
CCGCTGCGTTGGCACCTGCCTTAAAGTGCCAGCTACTCAGCGGGCTGAAGAGGAAGAAGTTCCTAC
Table3 5086
CGACCCACGCGTCCGGTCAGTTTGATAAAACATGGTGGAGACAGCGGCTGAAATGGAAGCATATG
TTCTAGAAGACATTCTTGAGGTGGAGTCTTTCATTTTGGATCAGGATGATTTGGAAAATCCAATGCTGGAA
ACAGCTTCCAAGTTGCTCTTATCAGGTACTGCTGATGGTGCAGACCTCAGGACAGTAGATCCAGAAACACA
GGCTAGACTGGAAGCTTTACTAGAAGCTGCAGGAATAGGAAAATTGTCCACGGCTGATGGTAAAGCCTTTG
CAGATCCTGAAGTACTTCGGAGGTTGACATCGTCTGTTAGTTGTGCGTTGGATGAAGCTGCTGCTGCACTT
ACCCGTATGAGAGCTGAAAGCACAGCAAATGCAGGGCAGTCGGACAACCGCAGTTTGGCAGAAGCCTGTTC
AGAAGGAGATGTAAATGCTGTGCGAAAGTTACTCATTGAAGGGCGAAGTGTAAATGAACACACAGAGGAAG
GGGAGAGCCTCCTTTGTTTAGCTTGTTCTGCTGGATACTATGAGCTTGCACAGGTTTTGTTGGCAATGCAT
GCAAATGTGGAAGATAGGGGAATCAAAGGTGACATTACACCTTTAATGGCTGCTGCTAATGGAGGACATGT
CAAAATTGTGAAGTTGCTGCTAGCTCATAAAGCAGATGTTAATGCACAGTCTTCAACAGGCAATACAGCAC
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GACCATAATGAAAATGGTCATACCCCTCTTATGGAAGCTGGAAGTGCTGGACATGTGGAAGTAGCCAGATT
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GTTACAAAGGACACTTAGAGATGGTGCGATTTCTTTTGGAAGCAGGCGCGGATCAAGAGCATAAAACAGAT
GAAATGCACACTGCTCTGATGGAGGCTTGCATGGATGGCCATGTTGAAGTAGCTAGGTTACTTCTTGACAG
CGGTGCCCAAGTGAACATGCCTGCTGATTCATTTGAGTCACCATTAACTTTGGCTGCATGTGGTGGGCATG
TGGAACTTGCGGCTTTACTTATTGAAAGAGGAGCTAGCCTGGAAGAGGTCAATGATGAAGGTTATACACCA
TTGATGGAAGCAGCTCGAGAAGGACATGAAGAAATGGTGGCATTACTTCTTGGTCAAGGAGCAAATATCAA
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ACTTTCTAATTAAGGCAGGAGCCGATATAGAACTAGGGTGTTCTACCCCTTTAATGGAAGCTGCTCAAGAG
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TACAGCACTAACATATGCCTGTGAAAATGGTCATACTGATGTAGCAGATCTGGAACATGAATCTGAAGGTG
GAAGAACTCCTTTAATGAAAGCTGCTAGAGCTGGTCATGTTTGTACTGTTCAGTTCTTAATTAGTAAAGGA
GCGAATGTGAATAGAACCACAGCTAATAATGACCATACTGTACTGTCCCTGGCTTGTGCAGGGGGTCATCT
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TGATAGAAGCAGCAAAAGGTGGCCATACAAGTGTTGTTTGCTATCTCTTGGATTATCCTAATAACTTGCTT
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AGTTCAAGCACTGCCCATGGTTGTTCCACCTCAGGAGCCTGACAAACCACCTGCCAATGTTGCCACCACTC
TTCCCATCAGGAATAAAGCTGCTTCTAAACAAAAGTCCAGCAGCCATTTGCCAGCAAACAGCCAGGATGTA
CAGGGTTACATCACCAATCAGTCTCCAGAGAGCATTGTAGAAGAGGCTCAGGGAAAGTTAACAGAACTGGA
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GGTTAAAGCTCAAAGAATTCAACTTCAGCAACAGCAGCAACAGTCTTGCCAACACCTGGGATTACTAACTC
CTGTTGGAGTTGGAGAGCAGCTTTCTGAGGGAGACTATGCACGGTTACAGCAAGTGGATCCTGTTTTACTT
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GGGTTAATGGTAGCCAGCCCTGCTCAGACCCTCAATGACACGCTGGATGACATCATGGCAGCAGTCAGTGG
AAGAGCATCTGCAATGTCAAACACTCCTACCCACAGTATTGCTGCATCCATTTCCCAACCTCAGACTCCAA

Table 6
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CTCCAAGTCCTATCATCTCTCCTTCAGCCATGCTTCCTATCTACCCTGCCATTGATATTGATGCACAGACT
GAGAGTAATCATGACACGGCGCTAACACTTGCCTGTGCTGGTGGCCACGAGGAACTGGTACAAACACTGCT
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GTCATGTTGGTGTTGTGGAAATATGCTGGACAATGGTGCAGTACATTGAAGCCCAGTCTGAAAGAACCAAG
GACACACCACTCTCCTTGGCTTGTTCTGGGGGAAGACAGGAGGTGGTTGGAGCTATTGTTAGGCTCGAGGG
GCAAATAACAGGAGCACAGGAAGGTTCTGATTACACACCTCTAAGTCTGGTGCTCATGGGGCTATGTGAAC
ATCATCCAACTATTACTATATTGGAGAGCTGGATCACTCTAGAACTGTATGCAATTGGCATTTCTACTTTG
GTGTAGCGGTATGCATGGGCTCAGCGGCGTAAGCCTGTAGAAATGGTCTGATAAGGCGATGAATCAATGTA
ACTGCCTATTACTGGTCTGAGACACGAGGCTGTCACGTGTAGACAAAGTGACCATAAGGTCACACAGTAGT
CCTCGCGGGCGACGCGAACTATAAACCAATCAAAACACAAAGAAACCTGCTCTGAACGCTATCTCAGCANN
N
Table3 5087
NGCCCACCACACTGTCGGGAACATAGGTACGGCGCGGGTTAATCGGACGAGGCAGGATCCATCCA
AACACCAGAACCTCCCACCTGTCCTCCTCTCTCCCTCACCTGCCAGGGACGGACAGCTGCCCTGAGCCTTC
ACACAGTGTTCCTCTACTCAGAAGTGCCTGTCCCCACTTCTCTGCCCTGCAGTCTGTCATCTGGTACGATC
TCCCGGGTGAACGGAGCTTTCGCAGCTGGAGAAGGCTCATCCACCTGCAGACATGGGGCGCAGAAAGTCAA
AACGAAAGCCGCCTCCCAAGAAGAAGATGACAGGCACCCTCGAGACCCAGTTCACCTGCCCCTTCTGCAAC
CACGAGAAATCCTGTGATGTGAAAATGGACCGTGCCCGCAACACCGGAGTCATCTCTTGTACCGTGTGCCT
AGAGGAATTCCAGACGCCCATAACGTATCTGTCAGAACCCGTGGATGTGTACAGTGATTGGATAGACGCCT
GCGAGGCGGCCAATCAGTAGCGACACAGAGGACCCGCCCCCTGAGCAGCCCCGCGTACTGTGGATCCAGCT
GTTCGGTTCTGGTCCAGAGACATTCCAGGGGTCCAGGGTGTGGGTCCTGGGCTGTCACAGCCGTGTGTGTG
TGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGGTGGTGTGTGTGTGTGTGTGTGTGGTGTGAGTG
AGTGTGTGTGTGTGTGGCTGCGCGTGTCACTGGGGTGGGCGTGAGTGTGTGCTCACAGGTACGCGGTGGTG
TCGGGTTCCTGGGCCTGAGGGGCCTGAACTGATCTCACTTGGCTCCGAAAGCCTTTGCTGTGTTCCCTGCA
GCCCCTGGCCCCCCAGCCTTGGGGCTCTGGCTCCCCCCGGCGGAATTGGGGGACTGTTTCCTGACATCCTG
GACAAGGGAAGCCCACTAGAGGCTGGAACAGGACCTCTCCAGCCTCCTCACCAGCACCGTGCCCATCTCAA
CTGGACTTCCCGCCCTCCTTCTCCACCTTCTAGTGCCCGTGGCCGGGGATTCAAAGCCGCCGTTCCCCAGG
TCCCTGGGCTGGGCCCTGACAGGGAGCCGCCCCCCTCCCCATGGTAACCAGGAAGCCCGTTTCATGTTCAG
TTGCTTTTGTAGAGGAAGCAAGGGCTGGGATGGGGACAGCTGTCAATCACAAGCCCTTAAATAAAGCAGCC
AGCGCACAAAAAAAGCTGAAAAAAAAAAAAAAAAAAAAAAAAAAGCGTGGGGGGGCGCGCCCGGGGCCCC
CGAGAAAAACTTTTCAAAACCCAGGGGGGGGGGCGCGGGGGGCCCAGAGGGAAGGGAAAGGGGGCAAAAGG
GGTCCCACAGAGAAAACCCGGGGACACGCAAACAAGGGGGGGGAGATCCCACACACAAAAAAAAAAGGCCC
CGGGGGGAACACCGGAGGGGTTTGAGGAAACAACCCAAAGAAGGGGAGGTCCGAGGAGGGCAATTACAGGG
GAGGCTTCTAAACAACGGGGGAGCCCAAAGGAGAACCGCCAGAATTAAAAATTAACCCCCGGACCNNNNNN
NN
Table3 5092
NACGCGTCCGAAAAGTGGATTCTCTCCTGAAATCCTGGAGAAATTTGACACGGGGGCCTGCGGAC
GGTCCTTCCTCTGCCAGCCCCCGCCCTCCCCACTCAGGCGCACACCTCCCTGACTGACGCATTTTGGCGCA
CAAGCTGTAACATGGCGGCAGCGACTGCGGCCTGAACTCTAGGGAGCCGGGTTGATTTTTAAAGCTTCAAA
ATCCTAAGACTCAGCACTGTTGCGGGGAGCACAGGGATCAGTTGTCCTTGTTTTTTTTTGGTCTTTTCTTC
ATTTGAAGATTAAGTATTGGAGCCATGGGAATAAAGGTTCAACGTCCTCGATGTTTTTTTGACATTGCCAT
TAACAATCAACCTGCTGGAAGAGTTGTCTTTGAATTATTTTCTGATGTGTGCCCCAAAACATGCGAGAACT
TTCGTTGTCTTTGTACAGGTGAAAAGGGGACCGGGAAATCAACTCAGAAACCATTACATTATAAGAGTTGT
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GGAATCTATCTATGGAGGATTTTTTGAAGACGAGAGTTTCGCTGTTAAACACAACAAAGAATTTCTCTTGT
AATGGCAACCAGAGGGAAGGATACAAATGGTTCACAGTTCTTCATAACAACGAAACCAATCCTCATTTAGA
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ANN
Table3 5094
NNNNNNNNNNNNNNCAGCCCAGACGGGCGGGCAGGGCCGGGCTCCGCAGGTCGTAATCTGAAGGA
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ACGTCGGGGACCTCCAGACCCTCAGGAGCCTATTGCAAGAGGAGAGCTACCGGAGCCGCATCAACGAGAAG
TCTGTCTGGTGCTGTGGCTGGCTCCCCTGCACACCGTTGCGAATTGCGGCCACTGCAGGCCATGGGAGCTG
TGTGGACTTCCTCATCCGGAAGGGGGCCGAGGTGGATCTGGTGGACGTAAAAGGACAGACGGCCCTGTATG
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CGGCACCATCGCAGCACCCCTGTCTACCACGCCTCTCGCGTGGGCCGGGCAGACATCCTGAAGGCCCTCAT
CAGGTACGGGGCTGATGTTGACGTCAACCACCACCTGACTCCTGATGTCCAGCCTCGATTCTCCCGGCGGC
TCACCTCCTTGGTGGTCTGCCCCTTGTACATCAGCGCAGCCTACCACAACCTCCAGTGCTTCCGGCTGCTC
CTCCTGGCTGGCGCGAACCCTGACTTCAACTGCAATGGTCCTGTCAACACACAGGGATTCTACAGGGGCTC

Table 6
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CCCTGGGTGCGTCATGGATGCTGTTCTGCGCCACGGCTGTGAGGCAGCCTTCGTGAGCCTGCTGGTAGAAT
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TGTGAGAAGAGCTCTTGGCAAACACCGGCTTCATCTGATTCCTTCGCTGCCTCTGCCAGACCCCATAAAGA
AGTTTCTACTCCATGAGTAGACTCCAAGTGCTGCGGTTGATTCCAGTGAGGGAGAAAGTGATCTGCAGGGA
GGTGGACACCGAGCCCTGAGTGCTGTGCTGCTGCTGGTCTCCTGATGGCTGTTGCTGCAGAAGATGTCCTC
GTAGACTGTCATTGCTCCTCAGGTGCCTGGGCCGCTGAACAGTCCTTGGGTCATTGTCAGCTGAGAGGCTT
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TTCTGGAACTGTGCTTCTCTTTATTTTTCTACTTCTCAATTTGATGGTTCGATTAAAGCCTTCTAGTATCT
CAANNNNNNNNNNNNNNNN
Table3 5095
cgctcactaaacgttagctctcgccaataacatcactgattcactataaagtttctctggctgtg
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ccgagccaggacgttgagccaagtccccatctcctaggactcgcagtgcggaggctgcgggccccgaccag
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GGAAGGTCCCGAGCGCGACACCATGTCGGAGCCCGGGGGCGGCGGCGGCGAGGACGGCTCGGCCGGATTGG
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CTGCTGGAGGACGGCGGCGAGGCGCCGGCCGCGCTGGAGGCGGCGCTGGAGGAGAAGAGCGCCCTGGAGCA
GATGCGCAAGTTCCTTTCGGACCCGCAGGTCCACACGGTGCTGGTGGAGCGCTCCACGCTCAAAGAGGACG
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CTTTTTTTAAGTCCTACATTAGAGAGTCTGGCAAGGCAGACAGGGATGGTGATAAAATGGCTCCTTCAGTT
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CCTGCCAATTCATCCAATGATCACAAATGTTGCAAAACAGTGTTATGAGCGTGGAGAAAAGCCAAAAGTTA
CAGACTTTGGTGATAAGGTTGAAGACCCAACATTTCTTAATCAGTTACAATCTGGAGTTAACCGCTGGATC
CGAGAAATTCAAAAAGTGACCAAACTGGATCGAGATCCTGCATCAGGAACTGCCTTACAGGAAATTAGTTT
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GCTTTGGAAACTGTGAATGACTACAATCCTCTGATGAAAGATTTCCCTCTGAATGATTTGCTGTCTGCCAC
GGAGCTGGACAAAATAAGACAGGCGCTTGTTGCCATTTTCACACATTTGAGAAAGATCCGAAACACAAAAT
ATCCTATTCAGAGGGCACTGCGTTTGGTGGAGGCAATTTCAAGAGACTTGAGTTCTCAATTACTCAAAGTA
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TTTTCAGACTTGGGATGATGAGTATGAGAAACTTCAGGTATTGTTGAGAGACATCGTCAAAAAACCTCGTG
CCGAATTCTTGGCCTCGAGGGCCAAATTCCCTATAGTGAGTCg
Table3 5096
NNNNNAAACAACATCTACTTTAGCACCCATGGCTTTCTCAGCAACTTAAAAGATACGGGGCCTGA
CGAACTGAGACCAATGCTGGCACAGAATTTAATGCTAAAGAGGTTTTCTGATGCTTGGGAAATGTGCAGGA
TTCTGAATGATGAGGCTGCCTGGAATGAGTTGGCCAGAGCTTGTCTACATCACATGGAAGTGGAGTTTGCA
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CTACAATCTTTTGGCAGGACACCTTGCCATGTTTACCAACGATTATAACCTGGCTCAGGACTTGTACCTTG
CATCCAGCTGTCCTATTGCTGCCCTGGAGATGAGAAGGGATTTACAGCATTGGGACAGTGCTCTACAACTG
GCAAAGCATTTGGCCCCAGACCAGATACCTTTTATATCAAAAGAATATGCTATTCAGCTTGAATTCGCGGG
TGATTATGTAAATGCTTTGGCTCATTATGAGAAAGGAATAACAGGTGATAATAAGGAACATGATGAAGCTT
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CATCCCAGCAGGGTCCTTAAAAGAGACTGTGGAGCCATATTGGAGAATATGAAGCAATTTTCAGAAGCGGC
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GAAGATAATGTGGCAATAGAAATGGCAATTGAAACTGTTGGTCAGGCCAAAGATGAACTGCTGACCAATCA
GCTGATAGACCATCTCCTGGGGGAGAACGATGGCATGCCTAAGGATGCCAAGTACCTGTTCCGCTTGTACA
TGGCTCTGAAGCAATACCGAGAAGCTGCCCAGACTGCCATCATCATTGCCAGAGAAGAGCAGTCTGCAGGC
AACTACCGGAATGCACACGATGTTCTCTTCAGTATGTATGCAGAACTGAAATCCCAGAAGATCAAAATTCC
CTCCGAGATGGCCACCAACCTCATGATTCTGCACAGCTATATACTAGTAAAGATTCATGTTAAAAATGGAG
ATCACATGAAAGGGGCTCGCATGCTCATTCGGGTGGCCAACAACATCAGCAAATTTCCATCACACATTGTA

Table 6
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CCCATCCTGACGTCAACTGTGATTGAGTGTCACAGGGCAGGCCTGAAGAACTCTGCTTTCAGCTTCGCAGC
TATGTTGATGAGGCCTGAATACCGCAGCAAAATAGATGCCAAATACAAAAAGAAGATCGAGGGAATGGTCA
GGAGACCCGATATATCTGAGATAGAAGAGGCCACGACTCCATGTCCATTCTGCAAATTTCTTCTCCCAGAG
TGTGAACTCCTCTGTCCTGGATGTAAAAACAGTATCCCATATTGCATTGCAACAGGTCGACACATGTTGAA
AGATGACTGGACGGTGTGTCCACATTGTGACTTCCCTGCTCTATACTCAGAATTGAAGATCATGCTAAACA
CTGAAAGCACATGTCCTATGTGTTCAGAAAGATTAAACGCTGCTCAGCTGAAAAAGATTTCAGACTGTACC
CAGTACCTGCGAACGGAGGAGGAACTGTGATTGGCACGTGCAGATACAATGCTCCTGAGAAGACAGCATTT
TCCACAGGAGGCTGTTTCCTCCCCTGGTGGATTTAAGAGACGGTCCTTTCTGGATACAGAGAAATGAAACA
ACGGTGACCTCTCCAGGTCGGCACTTTCCACTTCTGTACGGTGGCAAAACGATGACATGTAACCTTGCTGT
TTATTGTACTTTGTATATTATTTCCTCTTCAAAGTCTTTCTTACATACTCTATCCTCTGCACTGTTAATAG
TAACCTATGACATAATTGTAAATATTCAGCTTTTTGCTAACTTTTGTATTTTGAAAAACTTTAAAATAAAA
TTGTTGACTAGATATCTGTGACGTTTTTCTGGATTTGGAGACAGAAAAAGAGATAAAGGTAGTTCTGAAGG
ACATTGTCAAGTTTGAACACAGATGTGAATGGTGTAAAAAGCTTGAAATGAAAAGCTGTTGTTTACACAAA
TCACAGCTATTAAGCAGAATCAGCCCAGAAGCAAAACATCAAAAATTAGGAAAACCAATCTTGTAAAGAAT
GAATGAAACTATCAGCTTATACCTATCTGCCGAGTCATTCTACTGCATACTACAGAATTCCCGTCACAAAA
TTAAGTCATTTGACTTCCCCCTGAAAACCATACATTGTTTGGAATCATCTTCTCTGAGGCTGTGTGAAGGT
TNCTTTTCNCCCATATCACCGGACN
Table3 5098
NNNCAGGGTCCCCGCGCACCGCGGAGTGGGCTGTGATTGGAGGAGGAGCCCGTGCCGGGCGGGCC
CGAGCGGGTGTCGAGCCGGTTCCTCCAGTCTGCCCCGCGCGCGGAGCTGCGCGCACTGGGTCCCCAAGAGC
CCGCGGGCGTCCGGCAGCCGAGCGCACGTTCTTTCGGATGCACACGCCCGGGTCCCTGGCGTCTGACGCCG
TGGGGAGGGCAGCGAGGCCCCAGGTACTTACTACACCATTCTTTGGCGAAGGCTATTCAGCAGTGGTGACC
TCTTCCAATCCAACACTCTACAGATTATTATCTCTGGACTCCCAGCTGACACCCTGCCGGAGGCAAGAGCT
ACTAAGCCAACTGGAACTGTGCCTTTTCTCTTGTCAAGGTTTTTTTCTTACACAGGAAAAAGAAAGAAAAA
AAAAAGATGAAGTTGGGCAAAGTGGAGTTCTGCCATTTTCTGCAGCTAATAGCTCTTTTCCTGTGTTTTTC
TGGGATGAGTCAAGCAGAACTCTCAAGGTCCAGATCAAAGCCCTATTTCCAATCAGGGAGGTCCCGGACCA
AGCGCAGCTGGGTGTGGAATCAGTTCTTTGTGCTGGAGGAATACATGGGTTCAGACCCCCTCTATGTAGGA
AAGCTTCACTCTGATGTTGATAAAGGAGATGGTTCCATCAAATACATCTTGTCAGGCGAAGGGGCAAGTTC
CATTTTCATTATTGATGAGAACACTGGGGATATTCATGCCACCAAGAGACTGGATCGTGAGGAGCAGGCCT
ACTACACGCTCCGAGCTCAAGCGCTGGATAGGCTCACCAACAAACCCGTGGAGCCCGAGTCGGAGTTTGTC
ATCAAAATTCAGGATATCAACGACAATGAACCCAAATTTTTGGATGGCCCATACACGGCAGGAGTTCCCGA
AATGTCTCCCGTGGGGACCTCAGTGGTACAAGTGACAGCGACGGATGCTGATGATCCTACATATGGCAACA
GTGCCAGAGTGGTCTACAGTATTCTGCAAGGACAGCCGTACTTCTCAGTGGAGCCAAAGACAGGAGTCATC
AAGACTGCCCTTCCAAACATGGATAGAGAGGCTAAAGACCAGTATTTGCTTGTTATTCAGGCAAAGGATAT
GGTTGGTCAAAATGGAGGACTGTCAGGAACTACATCAGTCACTGTGACCCTAACTGATGTCAACGATAATC
CACCTCGCTTTCCTCGAAGGTCTTATCAATATAACGTCCCAGAGTCATTACCTGTAGCCTCAGTTGTGGCC
AGAATTAAAGCTGCTGATGCAGATATTGGAGCTAATGCTGAAATGGAGTACAAGATTGTGGATGGTGATGG
TTTGGGCATTTTTAAGATTTCTGTTGACAAAGAAACCCAGGAAGGAATCATTACTATACAGAAGGAGCTGG
ATTTTGAAGCCAAAACAAGTTACACGCTACGGATAGAAGCTGCAAATAAAGATGCCGACCCTCGCTTTCTG
AGCTTGGGTCCGTTCAGTGACACGACAACTGTGAAGATAATTGTGGAAGATGTAGATGAGCCCCCTGTGTT
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CTCATGACCCAGATTCTTCCAATAGCCCTGTGAGGTACTCAATTGACAGAAACACAGACTTGGAGAGATAC
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CAATATCACAGTCCTTGCAATGGAGAGCCAGAATCCATCTCAAGTAGGAAGAGGCTATGTGGCCATCACTA
TACTTGACATCAATGATAACGCCCCTGAATTTGCCATGGACTATGAGACCACCGTCTGTGAAAATGCCCAG
CCGGGGCAGGTTATCCAGAAAATCAGTGCTGTGGATAAAGATGAGCCATCCAATGGACACCAGTTTTACTT
CAGCTTAACAACGGATGCAACAAATAACCACAACTTTTCATTGAAAGATAACAAAGACAACACAGCCTCAA
TACTGACCAGGAGAAACGGCTTCCGGAGACAGGAACAATCAGTTTACTATCTGCCAATTTTCATTGTGGAC
AGTGGATCTCCCTCACTTAGCAGCACCAGCACCCTCACCATCCGCGTGTGTGACTGTGATGCTGACGGCGT
AGCCCAGACCTGCAATGCAGAGGCCTATGTCCTACCTGCTGGCCTCAGTACAGGAGCCCTGATAGCCATAC
TCGCCTGTGTCTTGACATTATTGGTGTTGATCCTCCTTATCGTCACTATGAGAAGACGGAAAAAAGAGCCC
CTTATTTTTGACGAAGAAAGAGACATCAGAGAAAATATTGTGAGATACGATGACGAGGGCGGGGGAGAGGA
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ATGTGACTCCAGAAATTCAATTCCTGAGTCGACCAGCTTTTAAAAGCATCCCAGATAATGTCATCTTTAGG
GAATTTATTTGGGAAAGATTAAAAGAAGCCGATGTTGATCCTGGTGCTCCTCCTTATGACTCCCTGCAGAC
ATATGCTTTTGAAGGAAATGGCTCAGTTGCTGAATCACTCAGCTCTTTAGATTCCATCAGCTCAAACTCTG
ATCAGAACTATGACTACCTAAGTGACTGGGGACCTCGCTTTAAACGACTCGCGGACATGTATGGGACTGGC
CAAGAGAGTTTGTACTCATAGCCTTGGAACCTTAATTCGAAATGTACTGAAGAAAAAGTAACANN
Table3 5099
CAAGCAGTGACCCTGATGATGGATGCCACCAATATGCCAGCTGTCAAAGCCATCATATATCAGTA
TATGGAAGAGATTTATCATAGAATCCCCGACTCAGACCCATCTTCTAGCAAAACAAGGCAGATCATCTCCA
CCATCCGGACGCAGAATCTTCCCAACTGTCGGCTGATTTCCCGAAGCCACTACTCCCCCATCTACCTGTCG
TTTGTCATGCTTTTGGCTGCCCTGAGCTGGCAGTACGCGGGGTGCCACCTATCACACCCCATCCTAAAGTA
AGGTCAGCTAAATAAGCTATCGAGCCCATACCCCGAAAATGTTGGTTATACCCTTCCCGT

Table 6
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Table3 5100

NNNCAAAGCAGCTCTTATTTGAAAAACCACTGGGTTCCGAGTTCATTACTACAGGAAAAACTGTT
CTCTTCTGTGGCACAGAGAACCCTGCTTCAAAGCAGAAGTAGCAGTTCCGGAGTCCAGCTGGCTAAAACTC
ATCCCAGAGGATAATGGCAACCCATGCCTTAGAAATCGCTGCGGCTGTTTCTTGGTGGTGTTGGAATGGTG
GGCACAGTGGCTGTCACTGTCATGCCTCAGTGGAGAGTGTCGGCCTTCATTGAAAACAACATCGTGGTTTT
TGAAAACTTCTGGGAAGGACTGTGGATGAATTGCGTGAGGCAGGCTAACATCAGGATGCAGTGCAAAATCT
ATGATTCCCTGCTGGCTCTTTCTCCGGACCTACAGGCAGCCAGAGGACTGATGTGTGCTGCTTCCGTGATG
TCCTTCTTGGCTTTCATGATGGCCATCCTTGGCATGAAATGCACCAGGTGCACGGGGGACAATGAGAAGGT
GAAGGCTCACATTCTGCTGACGGCTGGAATCATCTTCATCATCACGGGCATGGTGGTGCTCATCCCTGTGA
GCTGGGTTGCCAATGCCATCATCAGAGATTTCTATAACTCAATAGTGAATGTTGCCCAAAAACGTGAGCTT
GGAGAAGCTCTCTACTTAGGATGGACCACGGCACTGGTGCTGATTGTTGGAGGAGCTCTGTTCTGCTGCGT
TTTTTGTTGCAACGAAAAGAGCAGTAGCTACAGATACTCGATACCTTCCCATCGCACAACCCAAAAAAGTT
ATCACACCGGAAAGAAGTCACCGAGCGTCTACTCCAGAAGTCAGTATGTGTAGTTGTGTATGTTTTTTTAA
CTTTACTATAAAGCCATGCAAATGACAAAAATCTATATTACTTTCTCAAAATGGACCCCAAAGAAACTTTG
ATTTACTGTTCTTAACTGCCTAATCTTAATTACAGGAACTGTGCATCAGCTATTTATGATTCTATAAGCTA
TTTCAGCAGAATGAGATATTAAACCCAATGCTTTGATTGTTCTAGAAAGTATAGTAATTTGTTTTCTAAGG
TGGTTCAAGCATCTACTCTTTTTATCATTTACTTCAAAATGACATTGCTAAAGACTGCATTATTTTACTAC
TGTAATTTCTCCACGACATAGCATTATGTACATAGATGAGTGTAACATTTATATCTCACATAGAGACATGC
TTATATGGTTTTATTTAAAATGAAATGCCAGTCCATTACACTGAATAAATAGAACTCAACTATTGCTTTTC
AGGGAAATCATGGATAGGGTTGAAGAAGGTTACTATTAATTGTTTAAAAACAGCTTAGGGATTAATGTCCT
CCATTTATAATGAAGATTAAAATGAAGGCTTTAATCAGCATTGTAAAGGAAATTGAATGGCTTTCTGATAT
GCTGTTTTTTAGCCTAGGAGTTAGAAATCCTAACTTCTTTATCCTCTTCTCCCAGAGGCTTTTTTTTTCTT
GTGTATTAAATTAACATTTTTAAAAAGCAGATATTTTGTCAAGGGGCTTTGCATTCAAACTGCTTTTCCAG
GGCTATACTCAGAAGAAAGATAAAAGTGTGATCTAAGAAAAAGTGATGGTTTTAGGAAAGTGAAAATATTT
TTGTTTTTGTATTTGAAGAAGAATGATGCATTTTGACAAGAAATCATATATGTATGGATATATTTTAATAA
GTATTTGAGTACAGACTTTGAGGTTTCATCAATATAAATAAAAGAGCAGAAAAATATGTCTTGGTTTTCAT
TTGCTTACCAAAAAAACAACAACAAAAAAAGTTGTCCTTTGAGAACTTCACCTGCTCCTATGTGGGTACCT
GAGTCAAAATTGTCATTTTTGTTCTGTGAAAAATAAATTTCCTTCTTGTACCATTTCTGTTTAGTTTTACT
AAAATCTGTAAATACTGTATTTTTCTGTTTATTCCAAATTTGATGAAACTGACAATCCAATTTGAAAGTTT
GTGTCGACGTCTGTCTAGCTTAAATGAATGTGTTCTATTTGCTTTATACATTTATATTAATAAATTGTACA
TTTTTCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGGACGGCCGCTAGACT

Table3 5101

CCGGGCAGGTACCGGGATGTGATGCTGGAGACCTACAGCCACCTGCTCTCAGTAGGGTATCAAGT
TCCTAGAACCAGAGGTGGTCATGTTGGAGCAAGGAAAGGAACCATGGGCACTGCAGGGTGAGAGGCCACGT
CACAGCTGCCCAGGAGAGAAATTATGGGACCATAATCAACATAGAAAAATCATCGGTTATAAACCAGCTTC
CTCTCAAGATCAAAAAATTTATTCTGGGGAAAAATCCTATGAGTGTGCTGAATTTGGAAAGAGCTTCACCT
GGAAGTCACAGTTCAAGGTACATCTGAAAGTTCCTACAGGAGAAAAACTCTATGTATGTATGAATGTGGGA
GGGCTTTGTACAGAAGCCAGAATTCATCACACATCAGAAAACCCATATGAGAGAGAAGCCCCCTAAGTGCA
ATGAATGTGGAAAATCCTTTTTTCAAGTATCGTCTCTTTTCAGGCATCACAGAATTCATACCGGAGAAAAA
CTATATGAATGTAGTGAATGTGGGAAAGGTTTCCCTTATAACTCAGATCTCAGTATACATGAGAAAATTCA
TACTGGAGAGAGACACCATGAATGCACTGACTGTGGCAAAGCGTTCACACAAAAGTCCACACTCAAGATTC
ATCAGAAAATCCATACAGGCGAGAGATCCTACATCTGTATGGAATGCCGGGCAGGCTTCATCCAGAAAACA
CAATTGATTGCACACCGAAGAATTCATAGTGGAGAAAAACCATATGAATGCAATAACTGTGGCAAATCCTT
CATTTCCAAGTCACCAACTTCAGGTACATCAACGTGTTCACACAAGAGTGAAGCCCTATATATGTACCGAA
TATGGGGAGGTCTTCAGCAAATAATTCCAAACTCATGACACTGAGAAGATCAAAGTAGAGAGAAATCTCCA
TAGTACTGAGTGGGGAGGCTTACTAACGTCGAGGTGATATCATCCAAAAATCCNGGTAGAAACCTAGATGG
GGACGGGGGAAACCCCGAAAGCAGACCACGGTCCCAAATCACAGCGAAACTCATTGTCGATGTCTGGTCTC
GGACGAGCTGTACACAAATTCAGGGACCTAAGGCGGGGAATCACAACGACAAAACAGAACATGACCGGGGC
CGACAAAACACAATATAGCGAGACACACGACATAGTGACCAGATANN

Table3 5102

GCGCGGCGTGAGCATGCTTTTTCCTGTTTGGCTGGGAAAGGGAAGGCTGAACTGCTGAGTCTGAC
ACTTAACAGGACTTCGGCATTCCCCTGAATACAGACTAGATCAGAGATTTTATTTTTTTAATTGAAAAGTA
ACTTGGGTTCTCTTTAGAAACCCTTATTTGGTGTGCGCATCTGGCTATTTCACAGAGATTTCAGTTTTGCA
AAGAAGTCGGAGTTGATTTCTTCCCTCAGACAAGCTATTGGTTGTTGGTGGGCAACAGAAGTTGCTCAGCA
TAGACAGGGGAAAAAACCGGTTACGGATGAGACTGAAAGAAAACCTCAAAGGAGAACTCTGAGAATTCATC
TCAGGATGAAGCTGCAAGGGCAAAGGAGAAGTACTTGTGACACAAGCAAATGGGTCCATTGATCAACAGAT
GCAAGAAGATTCTTCTCCCAACTACTGTACCTCCTGCAACGATGAGAATCTGGCTCCTTGGAGGCCTGCTG
CCATTCCTGCTGCTCCTCTCTGGCCTGCAGAGACCCACAGAGGGTTCTGAGGTTGCAATTAAAATCGACTT
CGACTTCGCACCAGGTTCTTTTGATGATCAGTACCAAGGCTGTAGCAACAGGTTATGGAGAAACTAAN

Table3 5104

TTTGCAGTAagtcttgtgtctccttTTTTTTTTTTTTTTTTGAGACAGAGTCTCACCCTGTCAcc
cAGGCTGGATGGAGTGCAGTGGTGTGATCTCGGCTCACTGCAAGCTCCGCCTCCTGGGTTCACACTTTTCT
CCTGCCTCAGCCTCCTGAGTAGCTGGGACTACAGGCGCCCGCCACCACGCCCAGCTAATTTTTTTTGTAGT
TTTAGTAGAGTCGGGGTTTCACCGTGTTAACCAGGATGGTCTCGATCTCCTGCCCTTGTGATCCGCCCGCC

Table 6
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TCGGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCTACCACGCCCGGCCGTCTTGTGTCTTCTTTACTGT
GACTGGGTCGTTTTTAAGAAAGGTTATCAGCTTTGTGTTTGGTTTCCCACAGTTGATAAAAATCTATCAAA
AACATTATAATTTGCAAGGAAAAAGGTTTTTCAATGGCTGCAGGAACCAGAAAGAAATAGCATTTCTTATC
TGTATAAACACAAACATTTAAAGCTAGTCACACCGCAGGTAAATCCAATATAGTATGCAAAAGTTCTATAA
AAATGAACAAGAGATACACGTTTACTTTCATTGCTCCAACAGTCAAATGTAAATCTGCATGAGAGTTGCGC
TGCAGCAGTTTGCTGGTCCAATTTAAGAGTTCAAGGTCCTTTTTGTACATCTGGCCCACTGATGTCCACAT
CCCAGATAAATTTTCAAAAGACGGAAATCAGGGCAAAGACTCCATATAACAAAGCGCAAGGATATGCTACT
AAAAGTTGCTGTCCTTCCATGGCTAATGCAGAAATAAATATTTTGGAAGCAGAAAAACTACACCATCCAAT
AATCCCAGCAGTGAGAATGATTCCTACCATTCCTTGCAAAGAAAATATCACTGCAAAGCTGGAAAGTAGGA
TCATGGGCAGAAGACAATATCCAAGGACACTTGCCACACAACCAAATGAAACACCTGTCATACTCATTAAG
TTTAATAAACAAAACATTCCTAGACATCCAATTGCACTGATCCCGTATACATAGCCAAACTGGATTTTGCC
AGCCAGTAGCAATGTGGCTCCAAAAGCAAGGCAAAAAACCATTGGACCTGCCAAATCAGTTTCATTCATGA
TGCTGCCATCTGCTACTTTTAACGGATGTAATACTGTTAGTGTTTTTTGCCAGATGTGGTCAAAATTGATA
CCTAACTCTTCTAATAAAGGTGGCTCATCCTCAAAGTTGTTTCCATAGAAAGGCTGAGGTGAAGCTGGAGT
ATATGCCTGAGTTGGCTGGTAAATCTGCCCGGTGTATGGCTGTTGTGGCTGCATCATGTCTGGAGGGACAA
ATCTGCCTTGCTGCGAATAGTCATAGCCAGCATACTGTTTGCTATAGGGTCCTCCACTTCCTCCATAATCA
TAGGACTGCTGTGACTGATCATCGATGCTGTAACTTGTCTGGTAGAAATCCGTGTTTAAGTTTTCAAAGCC
TGACATTGCAAATAATCAAACTCTGAGCGCTGCGCTGGCGGCAAAGGCAGTAGCTTCACTAATCCCAAACA
ACCCCCAAACTCTGTTTCAGACCCTGAACCAGCCCCGTTGCTACGTGTCACAGGGCCGGACGCgtggGTCG
ACTCc
Table3 5105
NNNCACGAGGAAATTGCAGAGAAAGGAGGGCATCAAGCTTAGGGGACCAATCCCTGTCTTTCTAC
CAGTCCCTGATAACTACTCAAGCTCCCTTTAAAGAGGCTCATATTGGAATACTCTGTTGACAAGTAGATAC
CACTTCACCTCTGCTAGGGTGAGCGCTGGTAGCTCCTCCCTGTTAAATGCCCATCTCAATGCCTCTGCCCT
AAGTGAGTTGTGCAATAAATGAGCTGTCACTCTGAACAGGTGGGAAAGAAGTGAACTGCTTGTTCACTTGC
TGCTGTTGCCACTGCTGGTACAGAAATAGAAGCACAAAAAAACAAAGACAAAAAACCTCCAAGCTCCCTTC
AGTAGTTGCTACACCTTCAGATTGAGACATCCTTCCTCATTTACAAACCTCAGCTGTGTCTGGGGCAGGGC
CACAGTGAAACTGCCAGGAGCAAAAAGGCTTCCAAGAAAAAGTACCACATCAGATTGGAAACTGGGGACAG
ATCATTCCTGGGATGTGACGGGCACCAGAATGCTCCCTCTCCAAAGGATCTAAGGACCAAAGCTGACAGTT
TCTTTACTTGGGTAGCTGACAGCATCTACTCCTGAAGACCGGAAACATGGCTTGTACCATCCAAAAGGCAG
AAGCACTTGACGGGGCTCATTTGATGCAGATCCTCTGGTATGATGAGGAAGAGTCTCTCTACCCAGCTGTA
TGGTTGAGAGACAACTGTCCGTGCTCTGATTGCTACCTGGATTCTGCAAAAGCACGGAAACTTCTAGTGGA
AGCTCTTGATGTGAACATTGGAATTAAAGGCTTGATATTTGACAGAAAAAAGGTGTACATCACATGGCCCG
ATGAGCATTACAGTGAATTCCAGGCTGATTGGCTGAAGAAAAGATGCTTTTCCAAGCAGGCCAGAGCAAAG
CTCCAAAGAGAATTGTTTTTTCCAGAATGCCAATACTGGGGCTCAGAGCTCCAGCTACCCACTTTGGATTT
TGAAGATGTTTTAAGATATGATGAACACGCATACAAGTGGCTCTCCACCCTCAAGAAAGTAGGCATAGTAA
GACTCACCGGAGCATCTGACAAACCAGGAGAAGTTTCAAAACTTGGGAAAAGGATGGGTTTCCTCTATCTC
ACATTTTATGGACATACTTGGCAAGTGCAAGACAAAATCGATGCAAACAATGTGGCTTACACAACTGGGAA
GCTAAGCTTTCACACTGATTATCCAGCCCTCCATCATCCACCTGGGGTTCAGCTTCTTCACTGCATAAAGC
AAACAGTCACAGGGGGTGATTCAGAAATTGTAGATGGGTTTAATGTGTGCCAAAAACTAAAGAAAAATAAT
CCTCAGGCATTCCAGATTTTGTCCTCTACCTTTGTGGACTTTACAGACATTGGAGTGGATTACTGTGATTT
TTCTGTACAATCAAAACATAAAATTATAGAGTTAGATGATAAAGGCCAAGTGGTTCGCATCAACTTCAATA
ACGCAACTAGGGACACAATATTTGATGTGCCTGTTGAAAGAGTTCAGCCTTTTTATGCTGCTCTGAAGGAG
TTTGTTGACCTCATGAACAGCAAAGAATCCAAGTTTACCTTCAAGATGAATCCAGGTGATGTGATTACTTT
TGATAACTGGCGCTTACTTCATGGCCGACGTAGCTATGAAGCAGGAACTGAGATATCCCGCCATCTAGAAG
GAGCTTATGCTGACTGGGATGTGGTCATGTCAAGGCTTCGTATCTTAAGGCAGAGGGTGGAGAATGGAAAC
TGAAGTCACCTGTAGATAATTTTAATAAGATTCCAATGACCATATTTTGTGAGATATGGCACATTATTCAC
AGACCATGATCTTTGTGATTTACATATAATTTCCTTAACAATGAACATGTAACTTCTCTCACAAGAGTACT
CTTTACTTTGTAATCATATACAATGTCAACTTTTTAGATGTTTCACCACTCTTTTGCAAATAAAGCATCCT
TTCTGCTCTGTTGCATGCCTGCTCTAATTTCTTTTGCCCATATATGAGTATCTCCAGAATGTCTACAAATA
GTTTTTGTAGCAAATGAAAATTTCTTCAAATAAGCCTTTTGTTTCAAATAAAACTTGTCTCAAAACATGCT
AACTACCACTGAACATGACTTTACAAAAAACACATAATTTGAATCAACACAACCACCCACAGCCTAATTAT
TAGCATCATCCCTCTACTANN
Table3 5106
ACAATTTACGTCCTAAGGGGGGGCTACTCTAATTATCCCATTCAAATGGAATTTTTTTCAAAATT
GGATAGAAGGAATTGAAGAGTTGTAAGTAGTGATTAGTCTGCTAATCAGTTCTTCAGATGAGATATTGAAT
GGTAACACTCTGAGCTTAAAACTCAGCAGTGTGTCTGTGACCTCCACGCAAATCAGAGGAAGCAATGCATC
CACGCTGAGCCTCACCATGTCTTCCTCCCAACTCTCTTCATACTCTCTGTGTCTTCCAGCTCTTCTTTCTC
TGGCCGGCTCTCTTTCCTCTTCTCTCTGCATATGTGAGAACGCCTGGGCATCCTGGGTAACAGCAGCCCCA
GCTGCCCTCTCCTGTTCCCTGTTCCAAGTCCCCTGCACTGACCTTTCTTGAGTCTCTCTGGCTCTGTGCAT
GTCTTTGGGACTCTCCTCATCTGGCTTTTCCTCTGTGTGTGCCTCTCTGTTTGCTTATGTCTCTGGCTCTG
TCTTCCCCACCCCTCCCCTCACACACACACATACTCCCAAATGTAAGGCTCTGTGGCAGGTTGGAATCGGA
GTAAGGCTTGAGATTCACTGAGTTCTGTAGGTAGGGAAAGAAGTCAAGGGAGTGGAGGTTCTATAAGGAAT
TAACAGCTGAGGACGGAAGGGTTTGTTTCCCGTTTGAACCTAAACGCAAGTGGAAAAGAATACTCAGAATG

Table 6
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TATTTTTCTACTTTACATCTGCTGGGGAAGGAAATGTGTCAGGAAGCCGCTGCATCTGGTCATTTCATCGC
ATCAGAATCACAGCAGACGTGGAAGATTCCATGTGGTGGGGAATAAAGAAATAACTTTATGCTCTCCTGAA
AAACAGCGGGAGCCTATGTGTGTGTGCGACACTGTAATCTCAAGGAGATTCACTCAGAGCTGTCTCAGTCC
AACTCCTGCATGACCAGATCTTCCCTTAGCATCTTTTCTGTGATGAAATATTATCTTGTGTTAGAGTTAGG
AATAGGAACTAACCTGTAGGAGCATGTCCCCAAATGGACATTTGAATGGACTAACAAAAACAACTGGAAAG
ACTGAATTTCCGACACAAAGGAATGATGGGATCAAAAAGAAAGCAGTGAGGAGTTCTTGAGTCTTGTAGTA
CCTATTCTTATTTTAACTTGCTTCATCCTTGATCTACCTGAGACACTAAGAAGGAAATTAGTTTTCCAAGA
GCTCTTTGAACCTGTCTAGGACTGTAGTTAAACCTATTTGCCCTATGGGGGTTCTTCACACTCGAAAAACT
ATTTCCTTATCACCAACGACCCACCCAGAAAGGCCAATGAGGCCAAATGTAACAATTTTTAACATTTAAAT
ATAACTATTAAAATTGCATTAATTGTGAACAGTGAATTAAAGGGTTGTCTTCTCCAGGAGACAGTATGTGG
CACTTTTCGTAAATTTCATTTAATATATAAAAATTTAAATCACTCACTGCAACATGCATTTAAAATCTTCC
AAGAAGGTAGAGGTATCATTTTCTGTTTTGCTTTGTTTTAAAACAGTTGCCTCAAGCTTCTGTCTTAAGAG
TAGTGACTTAGAATCCAGATATCTTTTGTTTTAGAAAAACAAGCAAAACTATGTTGCAAGACTGACAGTTG
TAATGTTTATTTGCCACAGATCAAAGGTTCACAAAGTATATCAAATTTACATCTACTTGGGGTACCTTGAT
AGATTATTATTGTTTTTCTTTTATCTTTCCCTTCAGGAATTTGGAAACTCGTTGTCACTTTTTTTAATTTT
AAAAATACTAAATTGTAATAGTTTTCTTTTGCCAAATGTGTGCGTACATATTCAAAGCAATGAAACTATTT
CAAGCCATACAACCACAGGGGTGGGAACCCTTTTCACAAATTTTAATGTGTTTGTATGTAAATAGATGTTT
GTATGAAATATTTTCATGATAGAATGAATATATTTAAATGAAGTTGAATTATTCCAGTGCTACTTAAACAC
ATTACAAAAATTTTGGTGAGAATTATCTGAGTCTATTGAGATGTAATGCAGATCAATTTTGATTTTTAAAA
ATCAAAAGCCTACAATAACTCTGACTCTCAGCAACTTCCTCGGCGTTGTTGCACCTGACGTGGAGAGAGCT
CGTAGGCTTCCCCAGTGCCTCAGCCGCTTCCTGGTGGAAGTTAGGTGCTAATGGAGGTGTGTTCACCTTTT
AGTGATATCACTGCAGGCCTTTGAGGGGCCTGAGAGTGAATCAGAGGCATTAGAGACACCGGTGCAGTTAT
CTGGAGCACAATTTCTTTGCAGGGCAGCAGAATCAGAAGCCAGACTTGGCCATGTGAACCTCGAAACTCGG
TTTCCCGGCCGCCATCAACCGCCACCCTTACTGCCTAGTCACACACGTCAGGGAGGCTGCCCTCAGTGGAG
TTGGGGTTGAGACCCCAGGGTGGGACTTCACAGTTTTGCCAGCAATCTCTACCTTCTGACTTCTGCCTCGC
AGAGAGGAAGGAGAGGGGAGCATCTGGCAAGGGGCCCATTTCTCAGCACAGTACATTTCCTGTCTCAGCTC
TGGAAGACTATGCACCCAAGCACCAAACTTCCAACCAGAGAGAGAGACGTCCTCCGATAACAAAAATCCTT
GCTTCCTCTGTCTGTGACTTTACACACAGTTGTTCAAAGTTGTTAAATGTCAAGAGTCAATCACATCCCTA
GGACATACCTCCCAACTCTCCTGACTCTTATGTTATTGAAAAAACAAACAAACAAAAACTCCTTTATGATG
ATATTCAACTTGAGTGGGGTTTTTTTTCCACTTTGGTCCTGGATATAATGAAATGATACATATTAGGATAA
ATTTTCACTGTGTATAGTAGCAATACGAACACACATGCCAATGTATCAACATATCTACTTGGTTACATTTT
GGTTTATGATAATTAACCTTGATTCATGTATTGGGAAGCTACAGGGACTACGTAATACCTGCTTATCACAT
AGGAAAATTATGTCCATGATTCTGAGCTCCCTTCTTCAAAAGTTTCCTCCTGGGTGTTCTATGTTCTCTCT
TTATCCTGAAATACATTTATTAGGTTGTGAGGTATGTTGAAGAAGTAGAAGCCAGGGGTATGCTTTCAGCA
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TACATGAATAATGTTTGCCCTTACTGTGTTATGAATGAGTTTTTTGTAGTGTGTCTGGGTGCATGATGCAA
GAGAGTAGGAAAAATGTTTCTGAAACAAAACTTGACAAATATTTGTAATGAAAGTAAATTTAAAGATTGCT
ATAATTGCGCTATAGAAACAATGCAAGTATTAAACAAAATATACAATCAAAAAAAAAAAAAAAAAAAG
Table3 5108
CGACCCACGCGTCCGGTGGCGGCGGTGGCGGCTGCGGCAACAGCGGGGCCGATGTGTAGTTGGTG
ACTGCCTCTCCAGATGCTGAGGTGCCTGTATCATTGGCACAGGCCAGTGCTGAACCGTAGGTGGAGTAGGC
TGTGCCTTCTGAAGCAGTATCTATTCACAATGAAGTTGCAGTCTCCCGAATTCCAGTCACTTTTCACAGAA
GGACTGAAGAGTCTGACAGAATTATTTGTCAAAGAGAATCACGAATTAAGAATAGCAGGAGGAGCAGTGAG
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AGATGTTTCAGTCGGCTGGGATTCGGATGATAAACAACAGAGGAGAAAAGCACGGAACAATTACTGCCAGG
CTTCATGAAGAAAATTTTGAGATTACTACACTACGGATTGATGTCACCACTGATGGAAGACATGCTGAGGT
AGAATTTACAACTGACTGGCAGAAAGATGCGGAACGCAGAGATCTCACTATAAATTCTATGTTTTTAGGTT
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CATGCTAAACAGAGAATACAAGAGGATTATCTTAGAATTTTAAGATACTTCAGGTTTTATGGGAGAATTGT
AGACAAACCTGGTGACCATGATCCTGAGACTTTGGAAGCAATTGCAGAAAATGCAAAAGGCTTGGCTGGAA
TATCAGGAGAAAGGATTTGGGTGGAACTGAAAAAAATTCTTGTTGGTAACCATGTAAATCATTTGATTCAC
CTTATCTATGATCTTGATGTGGCTCCTTATATAGGTTTACCTGCTAATGCAAGTTTAGAAGAATTTGACAA
AGTCAGTAAAAATGTTGATGGTTTTTCACCAAAGCCAGTGACTCTTTTGGCCTCATTATTCAAAGTACAAG
ATGATGTCACAAAATTGGATTTGAGGTTGAAGATCGCGAAAGAGGAGAAAAACCTTGGCTTATTTATAGTT
AAAAATAGGAAAGATTTAATTAAAGCAACAGATAGTTCAGACCCATTGAAACCCTATCAAGACTTCATTAT
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TAAAGGAAATGCAGCAGTGGTCCATTCCTCCATTTCCTGTAAGTGGCCATGACATCAGAAAAGTGGGCATT
TCTTCAGGAAAAGAAATTGGGGCTCTATTACAACAGTTGCGAGAACAGTGGAAAAAAAGTGGTTACCAAAT
GGAAAAAGATGAACTTCTGAGTTACATAAAGAAGACCTAAAACTGATGGCTACTAAAAAGCAGAGCATTTC
TGGTAAGACTAAATTTTCTCCCCTCCCTCTTAATGAGGTTTTAGAGACTACACCAGAATAAAAGACAGTTT
AGGGGACCTCTGTAGAACAACAAGGGTCTTATTTTGTGAATTATATATTTCAAGAACTAAACAGAGATCCA
CCTTTCTGGATCTGATTTATATCACTGAAATGTACAGTTCTTTTGGAATAGTTTCACCTGAGAAAACATAG
TTGGCTATTATCTATCTTAACCGGTTCAGGCTTTTAAAAAAAACTGTTTTTGCAAAGGGTAGTACTAGGAT

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TTGAAAAAGTGGTACTGCTCTGAAGAAAAACGTTATTGTGTGGGGCACTTGGATTACGGGTTACCTAACAA
GGGGGTCGAGGGGGCGTTTTGAATCCAGAAACNNNNNNNNNNNN
Table3 5112
GCGTGTCCGCGGCCCTGCGAGGGCTCCCCGGCTCCGGACAGCCCAGGGCGGCCGGGGGAGGAGCG
CGCTGCGACGGCCGTGGCGAAAGTGCGGTTGTGGATGCGCGGAGAGGCCGGCAGCGGTGGCAGCGGCAGCG
GAGGAGGAAGCTGAGCAGGGCGGCGGCGGCGGTGGAACCTGCGGGGCTGGGGCGCGCGCCATGGGCCGCCT
GCACTGCACTGAGGACCCGGTGCCGGAGGCCGTGGGCGGCGACATGCAGCAGCTGAACCAGCTGGGCGCGC
AGCAGTTCTCAGCCCTGACAGAGGTGCTTTTCCACTTCCTAACTGAGCCAAAAGAGGTGGAAAGATTTCTG
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CCTTCTGGTTCCAAATGGTGCTTTGAAGAAGAGTCTCACAGCCAAGCAGGTCCAGGCGGATTTCATAACTC
TGGGTCTTAGTGAGGAGAAAGCCACTTACTTTTCTGAAAAGTGGAAGCAGAATGCTCCCACCCTTGCTCGA
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GAGCAGCGAATTGGAGAAAGTGGGAAGTATATTTTTACAACTAAAGTTGGTGGTTAAGAAAGGAAATCAAA
CCGAAAATGTGTATATAGAATTAACCTTGCCTCAGTTCTACAGCTTCCTGCACGAGATGGAGCGAGTCAGA
ACCAGCATGGAGTGTTTCTGCTGATTTCTGTCCCTGCATCTCCCCTGGCCCCGTTCCCTGCCCTCCTCCCT
TCCCTGGGTGACTGCTCTGAGAGGCACTTCACTCACAGGCCTGTGGGATGCTCCATGGGGCCCTGCTGGCT
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TTTTGTTTATAAAACTGTTTGGCCCCTTTGCCCCAATTTTTTTTAATTTGGACAACTTTTTCTTGGCGCGC
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Table3 5115
NNCACGAGGGTGTAGTTGTGACCTTCGCGGTAGGTGCCGGTTGGGGCCGCTCGTGATTGTTATCT
TGGTGCTGCAGAGGACAGCAGAAGAGGAGATTGGGTCAGAAAACTGCCCTGCCGCACCAGAGCACAGCGCA
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Table3 5116
NGCNCGTNTCGTTAGCCCGTCCCGGTCCGGAATTCCCCGGTCGTCCCTCGCGGCCGGACAACTTT
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CTGGGGTACCTGCAATTTGGAGCTAATATCCAAGGCAGCATAACCCTCAACCTGCCCAACTGCTGGTTGTA
CCAGTCAGTTAAGCTGCTGTACTCCATCGGGATCTTTTTCACCTACGCACTCCAGTTCTACGTCCCGGCTG
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Table 6
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CACAGTGCTGGTCTGCCTGACATGCATTCTTGGCCATCCTCATCCCCCGCCTGGACCTGGCATCTTCTCCC
TGGTGGGCTCCGTGAGCAGCAGCGCCCTGGCCCTCATCATCCCACCGCTCCTGGAGGTCACCACCTTCTAC
TCAGAGGGACATGGGCTCCCCCTCACCATCTTTTAAGGACGCCCTGATCAGCATTCCTGGGCCTTCGATGG
GCCTTTGGTGGTGGGGGACCTATTGAGGCN
Table3 5118
NNGTATTAAGGGCATCCCATCTCTAATTTCAGGAGAGTGAATCTATCTCTTGAGCTGCCTGATAA
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CACCAGACCAACCANNNNNNNN
Table3 5119
agacgctgtgGACACGCTTGTCCCAGACCTGGGCGCCCTCCTGCCGGGAGCCAGGACTGGCCGCA
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GAGGAGGCGCGGGCTGGAGCTGCGGCGGGGTCTGGGGCGCAGAGCAGCGGCGGGAGGAGGCGGACACGTGG
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Table 6
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CCCACCCTCCCGCCCCGCGGCAGCCCTAGCTCCCTCCACTTGGCTCCCCTGGTCCCGCTCGCTCGGCCGGG
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Table 6
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TGTGATTGGATGGTCTCCTGTGACCATGATGACCTTAATTCCAGCACTTCGACATTTGCCCACGGCATCAG
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caccc
Table3 5120
NNNCACGAGGTATTCCAGTGAAACCGACCGCCTGGGAGGTGTGGCTTATTCAGTCGCTTTATTAA
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ATGCATCANNNN
Table3 5121
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CAATCAGACCCTCCGATATTCGGATGGAGACCTCACCTTGATATATTTTGGAGGTGATGAATGCAGCTCAG
GGTTTCAGCGGATGAGCGTCATAAACTTTGAGTGCAATAAAACCGCAGGTAACGATGGGAAAGGAACTCCT
GTATTCACAGGGGAGGTTGACTGCACCTACTTCTTCACATGGGACACGGAATACGCCTGTGTTAAGGAGAA
GGAAGACCTCCTCTGCGGTGCCACCGACGGGAAGAAGCGCTATGACCTGTCCGCGCTGGTCCGCCATGCAG
AACCAGAGCAGAATTGGGAAGCTGTGGATGGCAGTCAGACGGAAACAGAGAAGAAGCATTTTTTCATTAAT
ATTTGTCACAGAGTGCTGCAGGAAGGCAAGGCACGAGGGTGTCCCGAGGACGCGGCAGTGTGTGCAGTGGA
TAAAAATGGAAGTAAAAATCTGGGAAAATTTATTTCCTCTCCCATGAAAGAGAAAGGAAACATTCAACTCT
CTTATTCAGATGGTGATGATTGTGGTCATGGCAAGAAAATTAAAACTAATATCACACTTGTATGCAAGCCA
GGTGATCTGGAAAGTGCACCAGTGTTGAGAACTTCTGGGGAAGGCGGTTGCTTTTATGAGTTTGAGTGGCG
CACAGCTGCGGCCTGTGTGCTGTCTAAGACAGAAGGGGAGAACTGCACGGTCTTTGACTCCCAGGCAGGGT
TTTCTTTTGACTTATCACCTCTCACAAAGAAAAATGGTGCCTATAAAGTTGAGACAAAGAAGTATGACTTT
TATATAAATGTGTGTGGCCCGGTGTCTGTGAGCCCCTGTCAGCCAGACTCAGGAGCCTGCCAGGTGGCAAA
AAGTGATGAGAAGACTTGGAACTTGGGTCTGAGTAATGCGAAGCTTTCATATTATGATGGGATGATCCAAC
TGAACTACAGAGGCGGCACACCCTATAACAATGAAAGACACACACCGAGAGCTACGCTCATCACCTTTCTC
TGTGATCGAGACGCGGGAGTGGGCTTCCCTGAATATCAGGAAGAGGATAACTCCACCTACAACTTCCGGTG
GTACACCAGCTATGCCTGCCCGGAGGAGCCCCTGGAATGCGTAGTGACCGACCCCTCCACGCTGGAGCAGT

Table 6
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ACGACCTCTCCAGTCTGGCAAAATCTGAAGGTGGCCTTGGAGGAAACTGGTATGCCATGGACAACTCAGGG
GAACATGTCACGTGGAGGAAATACTACATTAACGTGTGTCGGCCTCTGAATCCAGTGCCGGGCTGCAACCG
ATATGCATCGGCTTGCCAGATGAAGTATGAAAAAGATCAGGGCTCCTTCACTGAAGTGGTTTCCATCAGTA
ACTTGGGAATGGCAAAGACCGGCCCGGTGGTTGAGGACAGCGGCAGCCTCCTTCTGGAATACGTGAATGGG
TCGGCCTGCACCACCAGCGATGGCAGACAGACCACATATACCACGAGGATCCATCTCGTCTGCTCCAGGGG
CAGGCTGAACAGCCACCCCATCTTTTCTCTCAACTGGGAGTGTGTGGTCAGTTTCCTGTGGAACACAGAGG
CTGCCTGTCCCATTCAGACAACGACGGATACAGACCAGGCTTGCTCTATAAGGGATCCCAACAGTGGATTT
GTGTTTAATCTTAATCCGCTAAACAGTTCGCAAGGATATAACGTCTCTGGCATTGGGAAGATTTTTATGTT
TAATGTCTGCGGCACAATGCCTGTCTGTGGGACCATCCTGGGAAAACCTGCTTCTGGCTGTGAGGCAGAAA
CCCAAACTGAAGAGCTCAAGAATTGGAAGCCAGCAAGGCCAGTCGGAATTGAGAAAAGCCTCCAGCTGTCC
ACAGAGGGCTTCATCACTCTGACCTACAAAGGGCCTCTCTCTGCCAAAGGTACCGCTGATGCTTTTATCGT
CCGCTTTGTTTGCAATGATGATGTTTACTCAGGGCCCCTCAAATTCCTGCATCAAGATATCGACTCTGGGC
AAGGGATCCGAAACACTTACTTTGAGTTTGAAACCGCGTTGGCCTGTGTTCCTTCTCCAGTGGACTGCCAA
GTCACCGACCTGGCTGGAAATGAGTACGACCTGACTGGCCTAAGCACAGTCAGGAAACCTTGGACGGCTGT
TGACACCTCTGTCGATGGGAGAAAGAGGACTTTCTATTTGAGCGTTTGCAATCCTCTCCCTTACATTCCTG
GATGCCAGGGCAGCGCAGTGGGGTCTTGCTTAGTGTCAGAAGGCAATAGCTGGAATCTGGGTGTGGTGCAG
ACGAGTCCCCAAGCCGCGGCGAATGGATCTTTGAGCATCATGTATGTCAACGGTGACAAGTGTGGGAACCA
GCGCTTCTCCACCAGGATCACGTTTGAGTGTGCTCAGATATCGGGCTCACCAGCATTTCAGCTTCAGGATG
GTTGTGAGTACGTGTTTATCTGGAGAACTGTGGAAGCCTGTCCCGTTGTCAGAGTGGAAGGGGACAACTGT
GAGGTGAAAGACCCAAGGCATGGCAACTTGTATGACCTGAAGCCCCTGGGCCTCAACGACACCATCGTGAG
CGCTGGCGAATACACTTATTACTTCCGGGTCTGTGGGAAGCTTTCCTCAGACGTCTGCCCCACAAGTGACA
AGTCCAAGGTGGTCTCCTCATGTCAGGAAAAGCGGGAACCGCAGGGATTTCACAAAGTGGCAGGTCTCCTG
ACTCAGAAGCTAACTTATGAAAATGGCTTGTTAAAAATGAACTTCACGGGGGGGGGACACTTGCCATAAGGT
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CTTCAGATTGTTCCTACTTGTTTGAGTGGCGAACGCAGTATGCCTGCCCACCTTTCGATCTGACTGAATGT
TCATTCAAAGATGGGGCTGGCAACTCCTTCGACCTCTCGTCCCTGTCAAGGTACAGTGACAACTGGGAAGC
CATCACTGGGACGGGGGACCCGGAGCACTACCTCATCAATGTCTGCAAGTCTCTGGCCCCGCAGGCTGGCA
CTGAGCCGTGCCCTCCAGAAGCAGCCGCGTGTCTGCTGGGTGGCTCCAAGCCCGTGAACCTCGGCAGGGTA
AGGGACGGACCTCAGTGGAGAGATGGCATAATTGTCCTGAAATACGTTGATGGCGACTTATGTCCAGATGG
GATTCGGAAAAAGTCAACCACCATCCGATTCACCTGCAGCGAGAGCCAAGTGAACTCCAGGCCCATGTTCA
TCAGCGCCGTGGAGGACTGTGAGTACACCTTTGCCTGGCCCACAGCCACAGCCTGTCCCATGAAGAGCAAC
GAGCATGATGACTGCCAGGTCACCAACCCAAGCACAGGACACCTGTTTGATCTGAGCTCCTTAAGTGGCAG
GGCGGGATTCACAGCTGCTTACAGCGAGAAGGGGTTGGTTTACATGAGCATCTGTGGGGAGAATGAAAACT
GCCCTCCTGGCGTGGGGGCCTGCTTTGGACAGACCAGGATTAGCGTGGGCAAGGCCAACAAGAGGCTGAGA
TACGTGGACCAGGTCCTGCAGCTGGTGTACAAGGATGGGTCCCCTTGTCCCTCCAAATCCGGCCTGAGCTA
TAAGAGTGTGATCAGTTTCGTGTGCAGGCCTGAGGCCGGGCCAACCAATAGGCCCATGCTCATCTCCCTGG
ACAAGCAGACATGCACTCTCTTCTTCTCCTGGCACACGCCGCTGGCCTGCGAGCAAGCGACCGAATGTTCC
GTGAGGAATGGAAGCTCTATTGTTGACTTGTCTCCCCTTATTCATCGCACTGGTGGTTATGAGGCTTATGA
TGAGAGTGAGGATGATGCCTCCGATACCAACCCTGATTTCTACATCAATATTTGTCAGCCACTAAATCCCA
TGCACGGAGTGCCCTGTCCTGCCGGAGCCGCTGTGTGCAAAGTTCCTATTGATGGTCCCCCCCATAGATATC
GGCCGGGTAGCAGGACCACCAATACTCAATCCAATAGCAAATGAGATTTACTTGAATTTTGAAAGCAGTAC
TCCTTGCTTAGCGGACAAGCATTTCAACTACACCTCGCTCATCGCGTTTCACTGTAAGAGAGGTGTGAGCA
TGGGAACGCCTAAGCTGTTAAGGACCAGCGAGTGCGACTTTGTGTTCGAATGGGAGACTCCTGTCGTCTGT
CCTGATGAAGTGAGGATGGATGGCTGTACCCTGACAGATGAGCAGCTCCTCTACAGCTTCAACTTGTCCAG
CCTTTCCACGAGCACCTTTAAGGTGACTCGCGACTCGCGCACCTACAGCGTTGGGGTGTGCACCTTTGCAG
TCGGGCCAGAACAAGGAGGCTGTAAGGACGGAGGAGTCTGTCTGCTCTCAGGCACCAAGGGGGCATCCTTT
GGACGGCTGCAATCAATGAAACTGGATTACAGGCACCAGGATGAAGCGGTCGTTTTAAGTTACGTGAATGG
TGATCGTTGCCCTCCAGAAACCGATGACGGCGTCCCCTGTGTCTTCCCCTTCATATTCAATGGGAAGAGCT
ACGAGGAGTGCATCATAGAGAGCAGGGCGAAGCTGTGGTGTAGCACAACTGCGGACTACGACAGAGACCAC
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GGACATTGGGAGGCCACAAGTCTTCAGTGAAGTGCGTGGGTGTGATGTGACATTTGAGTGGAAAACAAAAG
TTGTCTGCCCTCCAAAGAAGTTGGAGTGCAAATTCGTCCAGAAACACAAAACCTACGACCTGCGGCTGCTC
TCCTCTCTCACCGGGTCCTGGTCCCTGGTCCACAACGGAGTCTCGTACTATATAAATCTGTGCCAGAAAAT
ATATAAAGGGCCCCTGGGCTGCTCTGAAAGGGCCAGCATTTGCAGAAGGACCACAACTGGTGACGTCCAGG
TCCTGGGACTCGTTCACACGCAGAAGCTGGGTGTCATAGGTGACAAAGTTGTTGTCACGTACTCCAAAGGT
TATCCGTGTGGTGGAAATAAGACCGCATCCTCCGTGATAGAATTGACCTGTACAAAGACGGTGGGCAGACC
TGCATTCAAGAGGTTTGATATCGACAGCTGCACTTACTACTTCAGCTGGGACTCCCGGGCTGCCTGCGCCG
TGAAGCCTCAGGAGGTGCAGATGGTGAATGGGACCATCACCAACCCTATAAATGGCAAGAGCTTCAGCCTC
GGAGATATTTATTTTAAGCTGTTCAGAGCCTCTGGGGACATGAGGACCAATGGGGACAACTACCTGTATGA
GATCCAACTTTCCTCCATCACAAGCTCCAGAAACCCGGCGTGCTCTGGAGCCAACATATGCCAGGTGAAGC
CCAACGATCAGCACTTCAGTCGGAAAGTTGGAACCTCTGACAAGACCAAGTACTACCTTCAAGACGGCGAT
CTCGATGTCGTGTTTGCCTCTTCCTCTAAGTGCGGAAAGGATAAGACCAAGTCTGTTTCTTCCACCATCTT
CTTCCACTGTGACCCTCTGGTGGAGGACGGGATCCCCGAGTTCAGTCACGAGACTGCCGACTGCCAGTACC
TCTTCTCTTGGTACACCTCAGCCGTGTGTCCTCTGGGGGTGGGCTTTGACAGCGAGAATCCCGGGGACGAC

Table 6
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GGGCAGATGCACAAGGGGCTGTCAGAACGGAGCCAGGCAGTCGGCGCGGTGCTCAGCCTGCTGCTGGTGGC
GCTCACCTGCTGCCTGCTGGCCCTGTTGCTCTACAAGAAGGAGAGGAGGGAAACAGTGATAAGTAAGCTGA
CCACTTGCTGTAGGAGAAGTTCCAACGTGTCCTACAAATACTCAAAGGTGAATAAGGAAGAAGAGACAGAT
GAGAATGAAACAGAGTGGCTGATGGAAGAGATCCAGCTGCCTCCTCCACGGCAGGGAAAGGAAGGGCAGGA
GAACGGCCATATTACCACCAAGTCAGTGAAAGCCCTCAGCTCCCTGCATGGGGATGACCAGGACAGTGAGG
ATGAGGTTCTGACCATCCCAGAGGTGAAAGTTCACTCGGGCAGGGGAGCTGGGGCAGAGAGCTCCCACCCA
GTGAGAAACGCACAGAGCAATGCCCTTCAGGAGCGTGAGGACGATAGGGTGGGGCTGGTCAGGGGTGAGAA
GGCGAGGAAAGGGAAGTCCAGCTCTGCACAGCAGAAGACAGTGAGCTCCACCAAGCTGGTGTCCTTCCATG
ACGACAGCGACGAGGACCTCTTACACATCTGACTCCGCAGTGCCTGCAGGGGAGCACGGAGCCGCGGGACA
GCCAAGCACCTCCAACCAAATAAGACTTCCACTCGATGATGCTTCTATAATTTTGCCTTTAACAGAAACTT
TCAAAAGGGAAGAGTTTTTGTGATGGGGGAGAGGGTGAAGGAGGTCAGGCCCCACTCCTTCCTGATTGTTT
ACAGTCATTGGAATAAGGCATGGCTCAGATCGGCCACAGGGCGGTACCTTGTGCCCAGGGTTTTGCCCCAA
GTCCTCATTTAAAAGCATAAGGCCGGACGCATCTCAAAACAGAGGGCTGCATTCGAAGAAACCCTTGCTGC
TTTAGTCCCGATAGGGTATTTGACCCCGATATATTTTAGCATTTTAATTCTCTCCCCCTATTTATTGACTT
TGACAATTACTCAGGTTTGAGAAAAAGGAAAAAAAAACAGCCACCGTTTCTTCCTGCCAGCAGGGGTGTGA
TGTACCAGTTTGTCCATCTTGAGATGGTGAGGCTGTCAGTGTATGGGGCAGCTTCCGGCGGGATGTTGAAC
TGGTCATTAATGTGTCCCCTGAGTTGGAGCTCATTCTGTCTCTTTTCTCTTTTGCTTTCTGTTTCTTAAGG
GCACACACACGTGCGTGCGAGCACACACACACATACGTGCACAGGGTCCCCGAGTGCCTAGGTTTTGGAGA
GTTTGCCTGTTCTATGCCTTTAGTCAGGAATGGCTGCACCTTTTTGCATGATATCTTCAAGCCTGGGCGTA
CAGAGCACATTTGTCAGTATTTTTGCCGGCTGGTGAATTCAAACAACCTGCCCAAAGATTGATTTGTGTGT
TTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGAGTGGAGTTGAGGTGTCAGAGAAAATGAATTTTTTCCA
GATTTGGGGTATAGGTCTCATCTCTTCAGGTTCTCATGATACCACCTTTACTGTGCTTATTTTTTTAAGAA
AAAAGTGTTGATCAACCATTCGACCTATAAGAAGCCTTAATTTGCACAGTGTGTGACTTACAGAAACTGCA
TGAAAAATCATGGGCCAGAGCCTCGGCCCTAGCATTGCACTTGGCCTCATGCTGGAGGGAGGCTGGGCGGG
TACAGCGCGGAGGAGGAGGGAGGCCAGGCGGGCATGGCGTGGAGGAGGAGGGAGGCCGGGCGGTCACAGCA
TGGAGGAGGAGGGAGGCGCTGCTGGTGTTCTTATTCTGGCGGCAGCGCCTTTCCTGCCATGTTTAGTGAAT
GACTTTTCTCGCATTGTAGAATTGTATATAGACTCTGGTGTTCTATTGCTGAGAAGCAAACCGCCCTGCAG
CATCCCTCAGCCTGTACCGGTTTGGCTGGCTTGTTTGATTTCAACATGAGTGTATTTTTTAAAATTGATTT
TTCTCTTCATTTTTTTTTCAATCAACTTTACTGTAATATAAAGTATTCAACAATTTCAATAAAAGATAAAT
TATTAAAAAAAAAAAAACGGGGCCTCTTTGGCGGGAAAAAGGTTAAAGGGAATTGGAATTTCGGCGCCTTTG
AAGGGATGCGGCCAAAAGGGAAATGAAGGACAN

Table3 5122

NNGCAGAGCACCAATATGGCCTTTTGGAAGGTGACAAAGAAGACTGTCTACACTGGCACCGGGCA
CCCGCTCAAGTCAGACATTGCCAACATCTGGGACTGGATGTTGACAGAAGACTTTCAAATTTAATATGGTC
CAAGTGTCTTCCTACTCAAGGTAAACATTATCTCCAAAATTACATTTATGATTCTAATATTTGGCATTGTG
TCTGTATCTAATTTAAACAGATGTTAATGGACGTCTGGCCGAAACTATTATACTTTTATAAGATGAGCTGA
ATCCTCTTACTTTAAAAACTGGTCTTTTTATTTACCCTCTGTGGTAGAAGAGTCACCAGCAGGTTCCAAAT
TGATGTGTATGATAGGAAAAAAACCTTAATTTTAAATATAATATAGAGCCTTAAACTATGCCACTGGGTGG
CAGAGGCTGTATAAAACGCACTTGTTTTCATGCAGGAGCGGGGCAAGTAAGGTTGAGCCTGACTGTAAACC
TAGAACTGCGGAAGGACTGGGACTTTTGTACAAATTTCACATTTATTTTACAGCAATCATGCTGCATTTGT
GTTAGTGTTCTTTATAATAAAAAACAAAGCAGCCTCCTGGCTGGCTGTGTTACAAGTGACTCTTCCTTAGA
CAGCTAGAAAGATGCTGACTTTGTCAAACTTGCATTTATATGAAAACCTTCTGTCTCTAATATCACAGAAT
AAACTTTCTTTAGATGCTGTTCTTTATAAAATGTCAAATTCTTAAACTGTCAAATGGAAAAAGTCACTATT
CCCTTTGTTCATGGAGGACTCACCCCCTTAAGGACAGCGGCAAAGTATGAAGCTAAATATCTGATGGCCAA
CCAGGCCTCAAACCACCCAGAGGCTCAGCATCTGCTGTACCTGGAACTTCAAGATAACCATGAAATGTAAA
CGTTGGCAATCCATTCCAGCTCTTCTGCTGTACTACTTGTTTTATGTGTTTATTTTTGAGGCAAGATCATG
CTCTGTCAGTCACCCAGGCTGGAATACCGTGACACGATCGTGGTCGCTACAGCTCCATGTCCCAGGCTCGA
GCAGTCTCCCACCTCAGCTCCTGAGTAGCCGGAACAAAGAACCAAGGCTCTCTTTTGAAAAGGACTGTTTT
CTCCAGCACAGGGGGGAGGAAATTCCCATTTCTCAAGAGTCATTGAACGGTACGGGCCATAAAGCCGGTAA
AAGTAAAAAAGGGTCTTTTAAAATTAAGTTTTTTCTGGAAAAACAACCGGCTCTTGGGGGAAGGAAAGGAC
GCTCCGCCTTAGGAANNNNN

Table3 5123

NNNNACCGCGGCCCCCCCTCGAAAGTACTTCTAGNAATTAATTAACGCGGGGACGGCGGGGAGCT
CCTGTGCTGTGACGCGTGCATCTCCTCCTACCACATTCATTGTCTAAACCCTCCCCTGCCTGACATTCCCA
ATGGTGAATGGCTGTGTCCCCGATGCACATGCCCCGTGCTGAAGGGTCGAGTGCAGAAGATCCTACATTGG
CGGTGGGGGGAGCCACCTGTAGCAGTGCCAGCCCCTCAACAGGCAGATGGAAATCCAGATGTCCCACCCCC
CCGTCCTCTTCAAGGCAGATCAGAGCGAGAGTTCTTTGTCAAGTGGGTAGGACTATCCTACTGGCACTGCT
CCTGGGCCAAGGAGCTTCAGCTGGAAATCTTACATTTGGTTATGTATCGAAACTACCAGCGGAAGAATGAC
ATGGATGAGCCCCCACCCCTGGACTATGGCTCCGGCGAGGATGATGGGAAGAGCGACAAGCGTATAGTGAA
AGACCCGCACTATGCTGAGATGGAGGAGAAGTACTATCGTTTTGGCAN

Table3 5125

NNATTGGGGGCACTTTTATTTACAGCCAAGGAAAAAAGAAAACTACCTTCTATTTAAAATGGGAA
AGCTTGTTTGTATGAAAACAAATATTTCATCATCACTTATTTTCTATACTGTTGGCAACTAAGTTTTACAT
TTTTCATTTTCAACAGAGATTTGAATTTTAATGTCCCAGAAATATAAAGAAGATGGCTTTAAAATGTCCTA

Table 6
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TATGTTGGCAGTCCTACCCTGAAAACTTTTTTGGCTTATCTTTGGTTCTGAGCTACAGTCTTCGCAGAGAC
TAAATTAGTGACTGGCCACCATAAAAAAATTGCCCCTCCTGGCNNNNN
Table3 5127
NATGAGCGGGCGCAGTGATTATAGGCTTTCGCTCTAAGATTAAAAATGCCCTAGCCCACTTCTTA
CCACAAGGCACACCNNGCACCCCTTATCCCCATACTAGTTATTATCGAAACCATCAGCCTACTCATTCAAC
CAATAGCCCTGGCCGTACCTGCCCGGGCGGCCGAGGTACGCGGGTCAACTTCACCTCGGCAACAATTACTT
ACCTGGCCCAGGAGGATGGGCCCGTTGTGATTGGCTCTACCAGTGCACCTGGACAGGGAGGAATCCTGGCT
CAGCGGGAGTTTGACAGGCGATTCTCCCCTCATTTTCTGGACTGGGCAGCCTTTGGGGTCATGACCCTTCC
CTCCATCGGCATCCCCCTGCTATTGTGGT
Table3 5129
ACTTGCACATTTCTGGACTACAAAGGCATTTCTTCCTGCAATGACGAAGAATAACCATGGCCATA
TTGTCACTGTGGCTTCGGCAGCTGGACATGTCTCGGTCCCCTTCTTACTGGCTTACTGTTCAAGCAAGTTT
GCTGCTGTTGGATTTCATAAAACTTTGACAGATGAACTGGCTGCCTTACAAATAACTGGAGTCAAAACAAC
ATGTCTGTGTCCTAATTTCGTAAACACTGGCTTCATCAAAAATCCAAGTACGAGACATTGCTCACCTACAG
TGACGTCGTGGGCGCGGATGTGCTGGACGAGGTGGTGACTGTGCTCAGTGACACTGCGTGGGACGCAGAGC
TTGCAATGGTGAGAGAGCAGCGCAACCGTCTGTGTGACCTTCTGGGCGTACCTGCCCNNNN
Table3 5132
CGCGGCGGCGGCCGAGGTACATATAATTTGCCTGGCCGGGCACGGTGGCTCACGCTTGTAATCCC
AGCACTTTAGGAGGCCGAGGTGGGCGGATAACGAGGTCACAAGTTCTAGACCAGCGTTGCCTACCAAGTTT
AGCAATTCCGGGAATGCCAACTGTCCTTACAGTCACTCTCGTATTTGCTTAGCTATGAGAATAATTTGGGG
CTAACTTCACCAAAAAAGAAAAACAGGCGAGAACGTCACTCTAGTAACAATAAAAGCCACTGGATTTTGCT
TTCATCAAATGTGGCACCTTGTGAACCACCTTTCTTAAAAGTATTTATTTTAACCTTTAAAAATTTCTGCC
AAGTAGAGCTTTCTTCTTTTACACTGAGCAACCCACTTCAGTGCCAGCAGCCTACGGGCACAGAAGCCAGG
CAATGGTTCTGGGACACAGNNNN
Table3 5133
NNNNNNGAACAAAGGTCTGTGTGGTTGTCTTCACGGGCAATCAGGAAGGGAGAGAGCTGGGGACC
ATATTCTGCAATGCAGCCAAATCCGAGGAAGAGAAACTGAAGGGAGAAGTAGATGGCAATGGTTATGATAA
AAAGGGATAAAACTAAATCTTCGGGACTTCTTTAAGTGCTACGTTAATGTTTCACTGCTCGTCTAGAAACT
CCTAAATCCAGCTTTCTATCATCTGCCCCACATTGGTCCCATTGAGTACATTCTGTGATTTCTAATTCCAG
CCTCTCCATTCTTTTCTCATTATTGCCTCCCCCGCCCCCCAACTTTGTGTAATTTACTTCTGTATTCAGCA
GCCTGGATAGCATATCATTCCATCACCCCATTTTCTTGCCACCATTGGCCATCTTTTTGTATCATTCCACT
TATTCTGTCTTTTCCATTCCTTCATTCAAACTGCTAGAGAAAAACAGTTGTGTAATGAATGCCACTAAATA
TTCAAGGCCTCCAACCTCAGCCAAGTCCTCACACCAACACGCAGTCACACCAACACACACCTTTATGGGTT
CCTGGTCCATTTCCTTCTCTAATTACCATGGCAGTTATTTTACACCTCTACTGCTGTCCTTAATCCCATAC
CCCACCCTCATCAGGTGACCCTGTTTCCTTTTTTAGAGAAATTGAAGCTCTTAGACATTGGTTTCCACAGT
AATAATTTTAAAACTTCTTACAACTACCTACAAAGCAGATGTTCTATCCTATCTACAGAGCAGAAAATTGA
AATTCTCAAGTAGCAGACCCGGTATTAAAGTGCAGATCTGACTTTAAAGTCCATGTTCATTTTACACAGCA
GGCTGCCTCTTAAGATAGTATTTATTGAGCACACACTTTGTGTAGGTTCTGATTTTGGTAGATGTCATGCT
TTATATTAATCTTTACAACAACTATAAGTAAGAGGTATTAACCTCACTTAACAGATGAGGAAGCAAGAATC
CAGAATGTGCCAGAAGGCACATTCTGCAGATTTCGTGCAAACATTTATACACAGCTTCTTTTTTTTTTTTT
TGAGACAGAGTCTCGCTCTGTCACCCAGGCTGGAGTGCAGTGGAGCGATCTAGGCTCACTGCAACCTCCGC
CACCCGGGTTCAAGCAGTTCTCCTGCCTCAGCCTCTCGAGTAGCTGGGATTACAGGCATGCGCCACCACGC
CCAGCTAATTTTGTTTTTGTATTTTAAGTAGAGACGGGGTTTCACTATATTGGTCAGGCTGGTCTTGAACT
CCTGACCTTGTGATCCGCCCGCCTCGGCCTCCAAAAGTGCTGGGATTACAGGTGTGAGCCACCACGGCCGG
CCTATACAAAGTTTCTTATTGAGAAAAGTGGTTCCAATCATGTTTTTTGCCCCCTTTAGCTGCTATCTCTT
GAACAGAAAAGTTTGTTAGGAAGGTAAAAGTTGCTGACTAGGACCTTACCCACAGGGTGGCACTCTGTCCT
TGGGAAATATAAATGCAAGTAAAACAGGTTTGAACTTCTTAACTTCCAGAAGATAGGAGGATGGGACCTGT
GATACTGTGCTGCTGGTGGGAGGACCCTTCCACATCAACATTTGTGTGTATCCTTGCAATAAACTTCCATT
GTGAATTAAAAAAAAAANNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Table3 5134
GCGTCCGGGAGCGGTGGAGGGCGTCACTGGGTTTCGGCGTCTGGCAAGCGGTTCAGCTGTCTGCT
CCCTAGCAGCCGGCCTTCGGGTCGGGCGTCTCCGCCGGCTACTGCCGCTTCAGTTCTCCCGGTGTGGCCAC
GAGTCGGTAGCCATCCTAATGGATATGGGTTGGTTCCTGTTTTCTATTTGGAACTTTAAAAAAAATTAAAG
CAGGTTGCACTGCTGTGATCCATCCTCATCTCCTAAAGATGCATCCTGACTTATCTCCACACTTGCACACT
GAAGAATGCAACGTCTTGATTAACTTGCTTAAGGAATGTCACAAAAATCACAACATTCTGAAATTTTTTGG
TTATTGTAATGATGTTGATCGGGAGTTGAGAAAATGCCTGAAGAATGAGTACGTAGAAAACAGGACCAAGA
GCAGGGAGCATGGCATTGCAATGCGAAAGAAACTTTTTAATCCTCCAGAGGAATCCGAAAAATAAATTGTA
TTTTCACTCGATGCCTTGGCTGAGAGAAGACCTAAAGACTCTGGGTTGATACCNNNN
Table3 5135
NAGCCCTTCCCAGGGCTGATGACGCATCTGGCTGACGAGGCTGACTGTCAGCCTCTGGCCTCTCT
CCCAGAGGTGTGCCCTCAGATCAAAGAGGACACCTCCCCCCCTTAAGAGGATTTATTTCCTCGAAGGCACA
GCTTCTATGATCTGTGTTTTTCTTTCTTCCTTTCCCATTCACATTTAATTCCTTGTAGCCGCCAAGTTTTT
GAGAACAAAGCTGTTTAGAAAGCAATGAAGAACCCAACATCCCTGATGTAGTATTCCTGGCCAAAATATTG

Table 6
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ATGTGACTCCTCATCATGAGAACAGACCAATTCACTTTGAGAGAAATACTACAAAATAATGGTCTACAGTC
TTCAAAAAAGTCATTGCCAACTACCTTAC
Table3 5136
GTGGTCGCGGCCGAGGTACCCCATTAACTGTGAATGAATCTGAGCTTGGTTTCCTTTATTGCTTC
CTCTGCAATATGATTGCTGAAACACATTTTAAAAATTCAGAAGCTTGTCACTCCTGTTAATGGGAGGATCA
GTCACACATGTGTAGTACTCTGCTATGGTGCTGGCTTCCTTTAAACTCAGGATAGATGCCAGGTGGGCTCC
GTTTCCGTAAGACTGACACTCGAGCTCGGCATCAGACCAGTTCCTCAGCTTCCTGAAGTAACCATAGCAAT
TGGACTTGTGGTAAAACCATCCAGGAGCACAGCTGGGTCTCATGATGATATCACCCAGGACTCCTGTTTTG
GCCAGGCAGCTCAGCAATAGGAGCAGCCGCATGCTTCTGGAAGCCATCTTCCTCCTACCCTGAGGATGTAG
CTAGTGCAAGGATCTCagAgacctTACTAGCGCttCTTTGAAACTCcaGGGTTCTCCTTGATCTGCAAATC
TGTTTGGCAACCAAGACTCTAAGGGCCCCTGCCTTCTTCAGTGTCTCCAGTCCCCGCGT
Table3 5137
NAGAAGATTTCTAACCAATTGCTATTTATTTGACACTAACAATTAGCTAAATGTGGCTGAATTAT
CTCATGTTAACTCTAAGTCTGTTATTTTGAAAACAGCTAAACTAGTAAGTTCTTCAGTTTCTCAAACTTAA
GCACTTTGTCTTATTTATCGCGGGTAAATTATTGCTGAAAAAAAATTACTTTCCATTTTCATTTGTGATTT
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ACATCTTTGCGAGCTCCAATTAAGTTGAACATGTAATTTTATTTTTTGGAAGTAGAATACAGTTATCAAAA
CGTTAATTTCTAAGCATTAGCATTATGCAAGAAAAGAGCTGATAAATGGCAAGGAAGTAATTCATCCATGC
ATTTATTCATGCAATGACCTTTCAACAATTTTCTTTTTTTAATTCTACTCTGGTGCAAGGCCTCACTGATA
ACTTGGGGGAAGATGGCTGACAAAAAAAAAAAAAGAAGGAAAGGGGAAAGGGAAGGGCATGCGGAAGAGGA
AGAGGAAGGGGAAGAGGAAGGGGAAGGAAAGAAAAAAAGAAGGAGGGAGGAAGGGGAAAGGGAAGGACAAG
GGAGGAAGGAAGGGTTATTACAGGAAGATGAACCTGTTAATGGCACACTCAAAGGA
Table3 5138
gcGtCCGGTACTATTCCCTtagtacAGCtTTAATAGCTGTACTATTCCCTTCTTTTTCAACTCCA
GCCTTTCGATTACCAGGCATTGGTATTAGATACTGTGATGTGTGCAGTTACTTCTTGCAGTCCTTCCCTTG
ACCTTGTGGCCTTGAAgtTCCTGGCACTCCCagttcCAGATTAGAAGTCTGAGACCCacaGGtatGCAGAC
TgcccAGTGCCACACagttagGCTGTGGCAGGCAAGGGCCAgcCAAAGACCCTTAGGTCTAGAGCttctcT
CCTACtgaTTTTTGCCTAATGCTTaGgtcAGCACACATTTATGGAGCTTCTGCTGTATACTAGGACTTATA
GAGCTCCTGCTGCAAACCTAGTCACTGGGGAGAGGTAGGAAAAGAAGATTGTCAGTGTCTTTGGTAATATC
AGTATACTTAGAAAGGGGAAACTGGCTTGGAGATGAGAGAGGAGGGATAGTTGGGAGCCAAGCATATCTTG
GGGTATAGACTGGGGAGCTCAGTGTGTTTTTAGAAGAGGTGAATGGATGGCCCTCTTTGCTGAGGACTTGG
TGAATGTTTGGAGCAGGGTAAGCTAGCAGTAGCTGGGTCTTTATTCAGCACTTATTTGCTGTGCATCTTGT
GCATGGGCCTCTGAAAATAAGGAACTGGATATAGTCCCAGGCCCTGCATTTGGGGGATCAGGTCCAGGAGG
GAACTGGAGACAGGAACTGAGTTTCTATCAAGGGGGATGTCCTTGAGGCCTGCATGTAGGGGGGAGTCCAG
CAATGCCACCCTGCACCCAGGGAAGTGGGGTTTTGCTGACCTTGTTAACTACTGTTAGCTCCTGGTTTCTC
ATCCACCCACTTTACTCCTTTCCAGATCTCAGGATGGACCCAAGCTCTGCCGGACATGGTGGTGTCCCACC
TTTTTGGGAAGGAAGAAATGCAGAGTAACGTGGAAGTGGTCCACACCTACCGccAGCACATTGTGAATGAC
ATGAACCCCGGCAACCTGCACCTGTTCATCAATGCCTACAACAGCCGGCGCGACCTGGAGATTGAGCGACC
AATGCCGGGAACCCACACAGTCACCCTGCAGTGCCCTGCTCTGTTGGTGGTTGGGGACAGCTCGCCTGCAG
TGGATGCCGTGGTGGAGTGCAACTCAAAATTGGACCCAACAAAGACCACTCTCCTCAAGATGGCGGACTGT
GGCGGCCTCCCGCAGATCTCCCAGCCGGCCAAGCTCGCTGAGGCCTTCAAGTACTTCGTGCAGGGCATGGG
ATACATGCCCTCGGCTAGCATGACCCGCCTGATGCGGTCCGGCACAGCCTCTGGTTCCAGCGTCACTTCTC
TGGATGGCACCCGCAGCCGCTCCCACACCAGCGAGGGCACCCGAAGCCGCTCCCACACCAGCGAGGGCACC
CGCAGCCGCTCGCACACCAGCGAGGGGGCCCACCTGGACATCACCCCCAACTCGGGTGCTGCTGGGAACAG
CGCCGGGCCCAAGTCCATGGAGGTCTCCTGCTAGGCGGCCTGCCCAGCTGCCGCCCCCGGACTCTGATCTC
TGTAGTGGCCCCCTCCTCCCCGGCCCCTTTTCGCCCCCTGCCTGCCATACTGCGCCTAACTCGGTATTAAT
CCAAAGCTTATTTTGTAAGAGTGAGCTCTGGTGGAGACAAATGAGGTCTATTACGTGGGTGCCCTCTCCAA
AGGCGGGGTGGCGGTGGACCAAAGGAAGGAAGCAAggcATCTCCGCATCGCATcgcTCTTCCATTAACCAG
TGGCCGGTTGCCACTCTCCTCCCCTCCCTCAGAGACACCAAACTGCAAAAACAAGACGCGTAGCAgcgacA
CACTTCACAAAGCCAAGCCTaggtccgCCTGAGCATCCTGGTTCAAACGGGTGCCTGGTCAGAAGGCCAGC
cggcCACTTCCCgTTTCCTCTTTAACTGAGGAGAAGCTGATCCAGTTTCCGGAAACAAAATCCTTTTCTCa
TTTGGGGAGGGGGGTAATAGTGACATGCAGGCACCTCTTTTAAGCAGGCAAAACAGGAAGGGGGAAAAGGT
GGGATTCATGTCGAGGCTAGAGGCATTTGGAACAACAAATCTACGTAGTTAACTTGAAGAAACCGATTTTT
AAAGTTGGTGCATCTAGAAAGCTTTGAATGCAGAAGCAAACAAGCTTGATTTTTCTAGCATCCTCTTAATG
TGCAGCAAAAGCAGGCGACAAAATCTCCTGGCTTTACAGACAAAAATATTTCAGCAAACGTTGGGCATCAT
GGTTTTTGAAGGCTTTAGTTCTGCTTTCTGCCTCTCCTCCACAGCCCCAACCTCCCACCCCTGATACATGA
GCCAGTGATTATTCTTGTTCAGGGAGAAGATCATTTAGATTTGTTTTGCATTCCTTAGAATGGAGGGCAAC
ATTCCACAGCTGCCCTGGCTGTGATGAGTGTCCTTGCAGGGGCCGGAGTAGGAGCACTGGGGTGGGGGCGG
AATTGGGGTTACTCGATGTAAGGGATTCCTTGTTGTTGTGTTGAGATCCAGTGCAGTTGTGATTTCTGTGG
ATCCCAGCTTGGTTCCAGGAATTTTGTGTGATTGGCTTAAATCCAGTTTTCAATCTTCGACAGCTGGGCTG
GAACGTGAACTCAGTAGCTGAACCTGTCTGACCCGGTCACGTTCTTGGATCCTCAGAACTCTTTGCTCTTG
TCGGggtgGGGGTGGGAACtCACGTGGGGAGCggtggCtgaaaAAATGTAAGGAtTCTGGAATACATATTC
CATGGGActTTcttTCCTTTTcctggctTctttTtTtcctgctccctaacCTTTCgccgaatGGGggcaGC
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Table 6
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gtcaccggggatttcccatagggaaggttggcgcaagggacttgaacatgggcaaggtcacccattggcac
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caaacgctgcaccgacgacacacactgtacaggcaccaccggcggcagcatagaaacacaggggtagcaga
caacaagaacaggcatgacaaatagccaacataccaagagagcaagacagaactacacacacacacacag
ttgttgagaacaaaaagccgcgagttcagacagaccaactgacacactcaactagaagagcagcta
Table3 5140
ACAGTCATGGATGGGCACACTGTGGGGGTGTCCTGGTGCACCCCCAGTGGGTCCTCACAGCTGCC
CACTGCATCAGGAACAAAAGCGTGATCTTGCTGGGTCGGCATAGCCTGTTTCATCCTGAAGACACAGGCCA
GGTATTTCAGGTCAGCCACAGCTTCCCACACCCGCTCTACGATATGAGCCTCCTGAAGAATCGATTCCTCA
GGCCAGGTGATGACTCCAGCCACGACCTCATGCTGCTCCGCCTGTCAGAGCTTGCCGAGCTCACGGATGCT
GTGAAGGTCATGGACCTGCCCACCCAGGAGCCAGCACTGGGGACCACCTGCTACGCCTCAGGCTGGGGCAG
CATTGAACCAGAGGAGTTCTTGACCCCAAAGAAACTTCAGTGTGTGGACCTCCATGTTATTTCCAATGACG
TGTGTGCGCAAGTTCACCCTCAGAAGGTGACCAAGTTCATGCTGTGTGCTGGGCGCTGGACAGGGGGCAAA
AGCACCTGCTCGGGTGATTCTGGGGGCCCACTTGTCTGTAATGGTGTGCTTCAAGGTATCACGTCATGGGG
CAGCGAACCATGTGCCCTGCCCGAAAGGCCTTCCCTGTACACCAAGGTGGTGCATTACCGGAAGTGGATCA
AGGACACCATCGTGGCCAACCCCTGAGCACCCCTATCAACTCCCTATTGTAGTAAACTTGGAACCTTGGAA
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TGTCTGTGTTATTTGTGGGATACAGAGATGAAAGAGGGGTGGGATCCACACTGAGAGAGTGGAGAGTGACA
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GGGAGGGTCTTCCTTTGGCATGGGATGGGGATGAAGTAAGGAGAGGGACTGGACCCCCTGGAAGCTGATTC
ACTATGGGGGGAGGTGTATTGAAGTCCTCCAGACAACCCTCAGATTTGATGATTTCTTTTCCTAGCAACCC
TGGACCTCACACCTAAGGACAAAGGTCAGTAGAACTGGGGAGGCTTGAGTCTTGGCCTGGTCATTTCCAAG
GTTCCAAGTTTACTACAATAGGGAGTTGATAGGGGTGCTCAGGGGTTGGCCACGATGGTGTCCTTGATCCA
CTTCCGGTAATGCACCACCTTGGTGTACAGGGAAGGCCTTTCGGGCAGGGCACATGGTTCACTGCCCCATG
ACGTGATACCTTGAAGCACACCATTACAGACAAGTGGGCCCCCAGAATCACCCGAGCAGGTGCTTTTGCCC
CCTGTCCAGCGTCCAGCACACAGCATGAACTTGGTCACCTTCTGAGGGTGAACTTGCGCACACACGTCATT
GGAAGTAACATGGAGGTCCACACACTGAAGTTTCTTTGGGGTCAAGAACTCCTCTGGTTCAATGCTGCCCC
AGCCTGAGGCGTAGCAGGTGGTCCCCAGTGCTGGCTCCTGGGTGGGCAGGTCCATGACCTTCACAGCATCC
GTGAGCTCGGCAGGCTCTGACAGGCGGAGCAGCATGAGGTCGTGGCTGGAGTCATCACCTGGTCTGAGGAA
TCGATTCTTCAGGAGGCTCCCCGCGT
Table3 5142
CAAGGGTGTCGCCCCGCGTCCGCACTGGACTTGTAAACGAAAAGCTTCATAAGTCCCTCTTTGCT
TAGTACTTTTCTCGTCCTTTCCCCAGGGTGCACGTAACCCTCAAGCACTAGGACCGTGCGGAATCCAGGCT
GCGATGGCACCTTCATTTACCGCCCGCATTCAGTTGTTCCTCTTGCGGGCGCTAGGCTTTCTCATAGGCTT
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GGAAGCGATGAAGGAGGCTCATGCTGTAGATCAAAAGCTTGCAGAGAAGCAGGAAGATGAAGCCACCCTGG
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TCTATGGCCGATCAAACAACCCATATGATTTACAGCATATTGTAGGTGGAAGTTCTGGTGGTGAGGGCTGC
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CAAAAGTTTAAGGCAGTGGAAGAAAGCCTGCGTAAAGAGCTGGTGGATATGCTAGGTGATGATGGTGTGTT
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ACACAGGTGTCTTCAGTGCCCTGGGTTTGCCTGTGACCCAATGCCCACTGGGACTGAATGCCAAAGGACTC
CCTTTAGGCATCCAGGTTGTGGCTGGACCCTTTAATGATCATCTGACCCTGGCTGTGGCCCAGTACTTGGA
GAAAACTTTTGGGGGCTGGGTCTGTCCAGGAAAGTTTTAGGAGGACCTTCTGCAAGGTTAATGTGTGTGTG
TGTTTGTGTTCGTGTGGTGGTGTTTCTATTAATTGGGTGAAACCAAGCACCAGCAGACAAGCAGAGAAACA
ACTGGGGAATTTATTGACTCATTTAGTTATTCTTTCTACTTTTATTTCCTTCTCTAACTGTTGGTCTTACT
AAAATGGTAATATTTGCTTCTTGCTTTTATGTTACTGGAAAATTAGGACATGTAAATGGATAAGTGCAATA
AAGTTTCCTAAATGCTTGAAAANNNNNNNNNNNNNN

Table 6
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Table3 5144
ACTGAAGAAGAGATGCTGTGGTTGAGATTTGTTTTCCTCTCTCCTGGGTTTTAGATCTTAATTCT
CGTTCCTTGTTCACACCACTGGTATGCTTTATCCTGGTGTTTTCCAAATGCTCTGATTTGTCAGAGTTGTT
GCCTGTGAATGGGAGGATGGACCAGCTGGGATTAGCCTTTGCGCTGTCCTTGGAAGGAACCATTTTGGGTT
TATTTTTCGTTGCGTCTAGTGCTTTGACCTTCTTGGCATGTTTACTTCCTTTGTAGTGGGCCTCGGCCTGG
CTATCTGAGTTAAAGCGAAGCTGACAGACATTACAAGAAATAACTTGTTTCTTCTTTGGGGGAATGGATAC
TCCAAATGTATGGTTAATAACCGCTTTTTGCACAGGATCCATTGTGTTAAAATTTGGAAAGAGCCCAACAG
CAGAACTACTGTCCACTGGAAAAGACATAAATGGTTTGATATCCAGTGAAGGCTGCATCATCAGGGTAGGT
GTGCGCACAAGAGCAGGAAGGGTAGTAGTGTGGCATGTACTGCCGAGCATCTGCCATGTGCCAAACAACCT
GCTACTTGTTGTGTACACATTGTTGAAGAAGACATAGTCCCTGTTTTCCAAAAGCTTATAGTCTTTGCCAA
GCCTTTGCCATACTTTGCAAGCCTCGTGCCGAATTCTTGGCCTCGAGGGCCAA
Table3 5145
ACGCGGGGAGGCGCTTCCGGAAACCGCGGGAGAGGGTCGCTGACGTGGAGGCGTCCGAAGGGCAG
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AAGAGCGCGCGGGTCAAAGGGCTCAGCTTTCACCCCAAAAGACCTTGGATCCTGACTAGTTTACATAATGG
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GAGGCATTGACTTCCATAGGCAGCAGCCACTGTTCGTCTCTGGAGGAGATGACTATAAGATTAAGGTTTGG
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TCATGAATATCCCTGGATTCTGAGTGCCTCCGATGATCAGACCATCCGAGTGTGGAACTGGCAATCTAGAA
CCTGTGTTTGTGTGTTAACAGGGCACAACCATTATGTGATGTGTGCTCAGTTCCACCCCACAGAAGACTTG
GTAGTATCAGCCAGCCTGGACCAGACTGTGCGCGTTTGGGATATTTCTGGTCTGAGGAAAAAAAACCTGTC
CCCTGGTGCGGTGGAATCGGATGTGAGAGGAATAACTGGGGTTGATCTATTTGGAACTACAGATGCAGTGG
TGAAGCATGTACTAGAGGGTCACGATCGTGGAGTAAACTGGGCTGCCTTCCACCCCACTATGCCCCTTATT
GTATCTGGGGCAGATGATCGTCAAGTGAAGATCTGGCGCATGAATGAATCAAAGGCATGGGAGGTTGATAC
CTGCCGGGGCCATTACAACAATGTATCTTGTGCCGTCTTCCACCCTCGCCAAGAGTTGATCCTCAGCAATT
CTGAGGACAAGAGTATTCGAGTCTGGGATATGTCTAAGCGGACTGGGGTTCAGACTTTCCGCAGAGACCAT
GATCGTTTCTGGGTCCTAGCTGCTCACCCTAACCTTAACCTCTTTGCAGCAGGCCATGATGGTGGTATGAT
TGTGTTTAAGCTGGAACGGGAACGGCCAGCCTATGCTGTTCATGGCAATATGCTACACTATGTCAAGGACC
GATTCTTACGACAGCTGGATTTCAACAGCTCCAAAGATGTAGCTGTGATGCAGTTGCGGAGTGGTTCCAAG
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AGAGAATAGTACCTATGACCTGTACACCATCCCTAAAGATGCTGACTCCCAGAATCCTGATGCGCCTGAAG
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CTACTAGCCAAACACGCCATTGTGATCTGTAACCGCAAACTGGATGCTTTATGTAACATTCATGAGAACAT
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CAAGCTGGCCCTGATCAACAGAAAATATGATGAGGTACTGCACATGGTGAGGAATGCCAAACTAGTTGGCC
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GACCCTAATGCCAAGCTGCTCCAGCCACCTGCACCTATCATGCCATTGGATACCAATTGGCCTTTATTGAC
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GCAGCCTGTGCACATGATCCTGGTGCTGCGTACAGCCCTCAATCTGTTCTTCAAGCTCAAGAACTTCAAGA
CAGCTGCCACCTTTGCTCGGCGCCTACTAGAACTCGGGCCCAAGCCTGAGGTGGCCCAACAGACCCGAAAA
ATCCTGTCTGCCTGTGAGAAGAATCCCACAGATGCCTACCAGCTCAATTATGACATGCACAACCCCTTTGA
CATTTGTGCTGCATCATATCGGCCCATCTACCGTGGAAAGCCAGTAGAAAAGTGTCCACTCAGTGGGGCCT

Table 6
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GCTATTCCCCTGAGTTCAAAGGTCAAATCTGCAGGGTCACCACAGTGACAGAGATTGGCAAAGATGTGATT
GGTTTAAGGATCAGTCCTCTGCAGTTTCGCTAAGGCCCCCTTTGTGTGCATGGGTCAGTCACCATATGTTC
CCCCCAGAGAATGTGTCTATATCCTCCTTCTAACAGCACCTTCCCCCTGCAGCTACTCTTCAGATCTGGCT
CTCTGTACCCTAAAACCTAGTATCTTTTTCTCTTCTATGGAAAATCCGAAGGTCTAAACTTGACTTTTTTG
AGGTCTTCTCAACTTGACTACAGTTGTGCTCATAATTGTCCTTGCCTTTCCAGCTTAATTATTTTAAGGAA
CAAATGAAAACTCTGGGCTGGGTGGAGTGGCTCATACCTGTAATCCCAGgcACTTTGGGGagGCTACGGTG
GGGCAGATCATCTGAGGGCCAGGGAGTTTcgAGACCTggcCTGGCCAACAtGggCAACaccccgttttct
taattaaaaatataaaaatttagcctggggcatgggtaggcntgcgcctattag
Table3 5146
NAGTCCACCCACGCGTCCGATGAGGCAAGTCACGTTACACCAAATCAGCAGATCAAAAGACAAAC
ACATATTTCTGAGACTTGAAGGTCCACATGCCCCCGCCCCCTGCACTCCAGCCTTGGTGACAGAGTGAGAC
TCTGTCTCAAAAGAAAAAAAGGATGAAATGGCGAATCAGTTTGGGTCTTGGCAGAAATCAACATAAGGAAT
ATGACAAGACCCCAGTAGGTAACCCTGAGTGCTCAGGTCCGAGCTGTGGTCTCTTTTACGGCTTCATGAAA
GGACCGTGCCCTCACGGAGGGGACCACGGCTTGGCTTGTGGGGTCTTAGGTGATGGCTGCCTTCTTTCTTC
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TCTGCAGTTGGATTTTTCTCACTGGTGAATGACAAGAAACAGGGATAATTTTGCACTGCGGAGATATTACG
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CTGTATATAAATTTACAGCAAGTACGTACACTGGAATGAATGAGGCAATCACGTTACACCAAATCAGCAGA
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CTCTCCTGCCCAGGCTGGAGTGCAGTGGCGCAGTCTCAGCTCGCTACAACCTCCATCCCCCGGGTTCAGGT
GATTCTCGTGCCTCAGCCTCCCGAGTAGCTGGGATTGCAGGCATGCACCACCACGGCTGGCTAATTTTTTG
TGTTTTTAGTAGAGACAGGGTTTCACCATGTTGGCCAGGCTGGTCTCN
Table3 5147
NNAAGTCAGATGAAAAAATTGTGATTCACCATAAGCCATTGGAGATCCACATGGGAGCCAACTCT
CTGCGGTGAAAAGAAAGGGATTATCTCAGACAGTAAGCCAGGAGGAAAGAAAGAGACAAGAGGCTATCTTT
GAAGTCATATCCTCTGAACATTCATATTTACTCAGCTTGGAGATCTTGATACGAATGTTTAAAAATTCTAA
AGAACTGAGTGATACAATGACTAAAACCGAGAGGCACCATCTTTTCTCCAATATTACAGATGTCTGTGAGG
CAAGCAAAAAGTTCTTTATAGAGTTGGAAGCAAGACATCAGAATAATATCTTCATAGATGACATAAGTGAC
ATTGTGGAAAAACACACAGCATCCACATTTGACCCATATGTGAAATACTGCACAAATGAAGTCTACCAACA
ACGAACACTACAAAAATTGTTAGCTACCAATCCTTCCTTTAAGGAAGTATTGTCAAGGATTGAGTCCCATG
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GTCAGCGATGGCTGGTATGAGGGGGAACGACTACGAGATGGAGAAAGAGGCTGGTTTCCTATGGAATGTGC
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CTACTTTTTGTATTTTTAGTAGAGACAGGGTTTCATCATGTTGGCCAGGATGGTCTCTTAACTCCTGCCCT
CAAGTGATCCACCAGAGAGGAGATCCTCGGCCTCCCCAAGTGCTGGGATTATAGGCATGAGCCACCGTGCC

Table 6
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CAGCCTACTTTCTAATTAATTAAAAAAAAAAAAAAAAAAAAAACTTCCCAAATGAGCTGATAAAAAACTG
ACGTGAGGCTGCTTTGCCTTCAATAATACCTAGTTTTCAGCTGTTCCAACTCGTTTCCAAATAGAAATTAG
CTGGAACACACTACAGTAATCTCAAGGAAGGGAAAATTAGGCCTTAAAAGATACCAAGAAGTCAGCATGGT
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GCACTGGGGACTTCTAACCCTTGGATTGCTCTTTTTGACCTGTGCATACCTTCTAATTGTAAAATATATTT
CAGACCGTGAGTACCTTGAGATCTGAGCAACTGTGTTAATGAAGTAATAGCAATGGTCCACAGTGAAAGAT
GTGTTGGGGTTTGCAAAACAAGCATTCCGTCACCTCTTTAATAATGTCACAGACTTTTTAAAAGAGAGGCT
ATCAAGTTGTAATATAATCTGTCATGTTTTATTTAGGAAGGAAGGTAAATTTGTGCTTGCACGGGGATCAT
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AGTGTTGTTATATGGCAAGTATTTAACACATTCACAGTGTTTGTTTGATTTCAACTGTGAATTGTCTTACA
GTTTTTTCAAACCTAGTTGTTTCTATGGACACCTGCTCTGAATTGTACATTGACTTCATTACTAAAGAACA
AAAATGTTCATTTTTGTCCCAGTAAATTGAGACTGCTTGTACACTTTCAGAAAAATATGTGAATTTATAAA
GATTTTGTAGATACTTAAAAATAAAAATACATATTTTACTAGATTATTTATTGATTAATAAAAAACCTCTA
GGGGGGGCCCCGGTCCCCAATTGCCCTTATAGGAGTCGTTTCCAATTCATTGGCCGTGTTTAACAAGTTGT
ACTGGGAAAACCCTGGTGTACCCAANN

Table3 5148

cacgCGTCCGACTGgTTATTTTGGTTTGCTAAAATTATGTCACTTATAATTTTGATTTATATACA
AGAGTGAAGAATTGAAGGAAATACTGAGGAGAGACGTATGAACTATTTTCTTCATCTCAATTCCTATTTTA
TCAAATGCAAAATGTAATCCTAACCAGTTGATTTTCTATAATTGGTATCTTAGTACTGGGGAGGAGTATCA
CATGAGGAAAGATTTTTCAAAGCATGTCAGCTGAGGCACAAGAATCGCTTGAACCCAGGAGGTAGAGGTTC
CAGTGAGCCGAGATTGTGCCACTGCACTCCAGCCTGGGCAACAGAGTGAGACACCGTCTCAAAAAAAAACA
AAAACAAAACAGGTCAAAAATCAGTTGCACAAGTTGTATGAAACCAGGTATTCTGCAGCTCTGTCTCTTGT
TTATTAAGATATGCACAGTTTCTGAATCAACAAATATATCTGTGATTCTTTTATACTACTACATAAAAGAA
CAGGAGTAATTCTTGCCTTATAAATTAAATGTCAAACATTTCCTATATGTAATCATTTGTTCCTAAAATAT
GATTTAGTCCCAGCATGCTTATCCCTGTTTTCTCTTTTTCTCTCCAGCTCCTATCTAGTTCTTCAACAAAT
CCTGTCAACTCTACCTTCCAAATGCCTCTTGAATCCAGCCATCTCACCACCTCCAACACTACCACCATTTT
TCTTAAAGCCACCATCATCTCTTCCCTGGACTATTACAATACCTTCCTAATTATCTCCCTGCCTCTGCTAT
TGATTCTTTAGGGTCCGTTTTCCACACAGTAGCCAAAGCAATTTTTAAAAAAATTATTTTAAAATGTGATT
CTCTTCTTTGTGGCTTTCCATCACAGCCTAGAAAAAATTGAAAGATCTGTAAGGCCCTAATGACCTGTCCT
TCACTACGTGTCTGACCCTATAGCCTACTGTTCTCCCCTTGTGCGGTGTACTGCAGCCACGTTGGCCTTCT
TGGTATTCTTTGAATACAAGGGAGCTTCTACTTCAAGGCATTTACATTGGCTGTTGCCTTAGCTTAGAACG
CTCTTTCTCCAGATAGCCGCAGAGCCCGCTCTCTCACCTGACTCATGTCTCTGCTCAAATGTTAATGATCA
AGAGGCAGTCCCCGGCCTCCCCCTTAAAATTACAACCTGTCACTCTCCAATCCTTTCCTCACGATTTTCTC
AAAAGCACTTACCGCTAACCAACATTATATCTAAATTTTTTTTGTCTCTTTTTATTGGAATGTAAGTTTCA
TGTAAGCAGGAACTGTATATCACTGCTATACCCTCAGCATTTAAAACAATGGCTGTACCTCCGGGGTGGCG
CTGGGGTTGGCTCCATGACCAAGATCTATGGGGGACGTCAGAGAAACGGCGTCATGCCCAACCACTTCAGC
CGAGGCTCCAAGAGTGTGGCCCGCCGGGTCCTCCAAGCCCTGGAGGGGCTGAAAATGGTGGAAAAGGACCA
AGATGGCGGCCGCCACCGCGGTGga

Table3 5153

NNACAGTGAGACCTGTCTCTACAAAAAAGTATTTATTTATGTTTTTAATTACCCAAGTGTGGTGG
CATGTGCCTGTAGTCCTAGCTGCTTGGGAGGCTGAAGCAAAAGGATCTCTTGAGCCCAGGAGTTTGAGGTT
ACAATGAGCTATGATCATGCCACTGCACTCCAGCTTGGGCAACAGAGTCAGACCCTGTCTCTAAACAAACC
AAACGAAGCCAAAATGAATTGTATAATTTAAAAGGGTGAATCTTATGGTATGTAAATTATATCTCAATAAT
GCTGTTACTCTAAAGAAAAAAAAGGTCATCGACATGATTATCTACTACTCACATGCTATAGAGGTCAATTA
ATACCACTTGCAAATGAGCAAGGAAGAAGAAAGGTTTATTTAGCCAAAGAGAATCTGAGAATCTTGATACT
AAGAATTGCTAATTCATATAATGGCTTAGAATAGTTTTACTTCATACTGTGATCAATAATGGATTAGCTAC
TTTATCCTTATCTAGGACAAATTCCAAGCATAGGCAGCTACAGTCTGAAAAGAATTATTATAAGCTAGAAT
TTTTCTAAGAAAAAGATTTGTTCTCAGGAATACGAAAATAGATACAAGGAACTGACCCAGACATGACAATA
AGTCTAACAAAGTTAACACTAGTAATAATGTGTCAGATAAAAGGTAGAACTGAGCTAAAAACTCAAACTTT
AAAAATGTACAGCAAATCAATACCCAGAAGTAAAAGAGTCTTGAATGTTCTAGTTCATTCTTCTCTCCATT
TTAGGTACTCTCTTAATGGCATTTTTATGGTAAGTTGAGTTACCTCAGAACCTGCCGTGCCCCTCCTGGAT
GCACCAGGAAAGTCACAGATGGGAAAGGACACTCTCTCACAGCAGCTTTGCTCCAGTCACCAAGCCCAACA
CTGCGAACCATAAAGCAGCACACAGGGACTTCTTTACACCAAAGGGGCCCGATCCAGCCCTTCCTTCTGTG
CCTGCCACTTCCGGGTTGGTGCTTTACAGCGCTTGAAGGGAGAACAATGTTCTGTAGTCTGCAACACACTC
CAGACCATGTTGACGCTATGATCACTATGTTTGCATGATTGCATAGAGCTTAAAAGAAGAAACAGAACACC
AAGTTTCTTGCACTGAATTCACATATGAAAACTGGAAGAGCACAACTGTTAGTTTTCAAGGTCTTTGGCTA
AAGCTTCACGAATGAATTGTAAAGTACGCTGGTACAAAAAAGCATCCTTTTTCTTTGGCTTACAAATGTTC
AAATGGTTAACATCCACAGGAATTAGATCTCCAATGCCTAAATCTGCNN

Table 6
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Table3 5154
ttcggcttgtgttctgtagttcggtttctttggccttgctgcttgtctgctcgttttccgtccgc
ttctgtctggtgcttgttctcgctgtcttctgttgctacgtcctttccgtctgctccggctgtttctctcc
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cctgctccctctccctgtcctcgctctctgttcttgcagttctctctctgcctcctgtcgctttttttgtgc
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CCTTCAACAACATAGGAGGATCCTCCCCCTTCTTTCTGCTCACGGCCTTATCTAGGCTTCCCAGTGCCCCCA
GGACAGCGTGGGCTATGTTTACAGCGTCATCCTTGCTGTGTGTGTGCCTCATGCATTGTGGCTCCAGCTTA
TCCTCAGTGATCTGTAGAGAGTGTCCACCTTGTGTCACTGTCCACTCTTCCAGGGTGGGCCCCACCCCTCC
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TCAGGGCCCCATGATGTGATACCTTGAAGCACACCATTACAGACAAGTGGACCCCCAGAATCACCCTAAGG
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GCGCAGGCAGATGACTGAGAGCAATTCCCAGCTCTCAGGAACAGACAGAAATGTCTCCAGAACCCACTCCC
ACAAGAATATGGGCAGGGAGTCCAACAGAGGGAACAAGGCTCCAGTCTTGGCCTATGGGGAGGGGACTTCA
GGGTCCAGCTCCTGCACAAGGGGCAAGGTCCAGGAGGACAGTCCCTGCAGACAGGTCAGCAGGATGAGGGC
CGGGACCATCTGCAGGATGCTGCCCCCACAGGCACATCGCAGAGGCCACCTCTTCAGGACTACTCTCTGAC
TAGATGTCCCCTCTCCAGGGCATTGGGGAGCCATGGAGGGCCGTGGGCAGGGCTGGGTATGGTCAGTTCAG
TGATCAGAATGACCCACTGAGGCCAGATGGAGGATGGAGTGGAGGGGAGAGACTGAGGGCCAGGAGACTGT
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GGACGCGTGGgtcGACTCCCTATa
Table3 5156
ACTGTTATTATCCCTATTTGCCAATGAGAGAAAGAAGGCAAGATAGCTTAAGGAAGTTTTCCTAA
TTGCCCAGCTAGAAGGCAGGACACATTTGCCAGCAGGGGGCCGTTTGCCCCCATGTGTAAGGGAGGCAGGG
CCCATCTCTCCCACGGCGAGGTTGAGCTGATTACTTTCTGAGAACAGTTAGAGTGGGTGCGTGATCTGAAA
TGGGTTACCN
Table3 5157
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CCCGCTGCTGGCAGCGCTGGAAACTGGGTGGACGGCATGGGTTGGTCTCAGGATTTGTTCCGCGCCTTGTG
GAGATCGCTGTCAAGGGAAGTGAAAGAGCACGTGGGCACGGACCAATTCGGGAACAAATACTACTACATCC
CGCAGTACAAGAACTGGAGAGGACAAACTATTCGAGAGAAAAGAATTGTAGAAGCAGCAAATAAAAAAGAA
GTAGACTATGAAGCAGGGGATATTCCAACAGAATGGGAAGCTTGGATTAGAAGAACAAGAAAGACTCCACC
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TAAAGGCCATGCCTCTGCTCCATACTTTGGAAAGGAAGAACCCTCAGTGGCTCCCAGCAGCACTGGTAAAA
CCTTTCAGCCAGGATCCTGGATGCCACGAGATGGCAAGAGCCACAATCAATGAATGCATTATGGTCAAATC
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TACTGTAGAAACCTAACTTCTTTTAGACTTAAATCCTTCATTTGACTTAGTCATTGTTATTTATGAATTTG
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tttcctctttggattactcccttga

Table 6
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Table3 5160
CACGCGTAGCCCTGGACCTGGCCCATTCTTCATGTCCCCTTCCCAAGCCTCCAAGCCCACATGGG
CACTTGCCAAGATCAGAGCTCCAGGGGCCTCCAGGGACGGGGTTTTCAGTCCTTTGGGACCATGATCCACA
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ACACCCAGCGATCATCTAATGCAACAGCCAAACGCCCAGTGATCATCTAATGCAACAGCCAGTCAGTGATC
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GGCAAAGATTTCCCAACCCAGTTTCATCTTTCTGCATGAAATACACACAGACGTTTTTTCTCTTCTCTACT
TTTATTTTTATTTAATTTTAAATGCTGGTTGAGAGCCACTTCTTAACCTGGGGTCTGTGGACAAAAATCAG
AAATCAAAATTCAGAGAATCCATGAACTGGGATGGGGGGGGAAATTACCTCTTTTTTTTTTTATTGCCCTTG
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GTCCTGCAAATTCTGTATTTTTATTACACTTTGGAAAAAAAAAGAAATGATAAACTTAATGATGATTCTTA
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Table3 5162
NNNNACCCTACCTACCCGTAAAATATGAAATACTCAGAAGTAAAGTGTGTGGGCAATCAGAAGCA
TAGCCTTGAAGGACCTGACAGCAGTATGAAAAGATTAAATAGGCCAGGCATGGTGGCTCACGCCTGTGATC
CCAGCACTTTTGGTAGGCCGAGGTGGGTGGACCACCTGAGATCAGGTGTTCAAGACCAGCCTGACCAACAT
GGTGAAACCCTGTCTCTACTAAAAGTACGGTTGGGCTCGGTGAATCAGTCCGTGATACAACACTGGATAGA
GCGGCGGACACAAGCAGGAGCGCCAAGACC
Table3 5163
TCTCTGGAGAGCAGCAGGTAAGTGGTTTCCCGCACTGCCGGTATCCGCCGCCATCCGGACTCCCG
GGTCCTCTGTGCAGGTTGGAGGATGGTTGGTTGTGGCGAGCGAGGCTGAAGGAGCCGGGACGCGGGGCTCT
GGGCCTCGGGAACTGAGCCGGTACTCACCTCCGCCCCTTCTCCCCGTCGCTGTCCGCAGCCATGGCCCTAC
GCTACCCTATGGCCGTGGGCCTCAACAAGGGCCACAAAGTGACCAAGAACGTGAGCAAGCCCAGGCACAGC
CGACGCCGCGGGCGTCTGACCAAACACACCAAGTTCGTGCGGGACATGATTCGGGAGGTGTGTGGCTTTGC
CCCGTACGAGCGGCGCGCCATGGAGTTACTGAAGGTCTCCAAGGACAAACGGGCCCTCAAATTTATCAAGA
AAAGGGTGGGGACGCACATCCGCGCCAAGAGGAAGCGGGAGGAGCTGAGCAACGTACTGGCCGCCATGAGG
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GCCACAGACCGACGACGCCGCGACAAAGGGCGGCCCCCCTCACCCACCCGACAGCACGCACCGCACTACAA
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GAACCCGCGTCCGCCCNGCGCGCGCNNNNNN
Table3 5165
TTTTTTTTTTTTTTTTCGTTCAAACTGTCATTTTATTTTTACGTTGTTAGATATGGGGAGTAGTG
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GGGGAGGACGAGAATCGGTGTGTTCGCCTCTACGGATCAAACTTCATCCTTCAGGTGTACTCATCTCAGAG
GAAGTCCTGGCACCCTGTGTGCCAAGACGACTGGAACGAGAACTACGGGCGGGCGGCCTGCAGGGACATGG
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TCCATCATCACCCCCGAGTGGATCGTGACAGCCGCCCACTGCGTGGAAAAACCTCTTAACAATCCATGGCA
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CTGACTTTCAACGACCTAGTGAAACCAGTGTGTCTGCCCAACCCAGGCATGATGCTGCAGCCAGAACAGCT
CTGCTGGATTTCCGGGTGGGGGGCCACCGAGGAGAAAGGGAAGACCTCAGAAGTGCTGAACGCTGCCAAGG
TGCTTCTCATTGAGACACAGAGATGCAACAGCAGATATGTCTATGACAACCTGATCACACCAGCCATGATC
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Table 6
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GAACAATATCTGGTGGCTGATAGGGGATACAAGCTGGGGTTCTGGCTGTGCCAAAGCTTACAGACCAGGAG
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TCTGTGCAGGCTGCAGTGGCTCCCCTGCCCAGCCTGCTCTCCCTAACCCCTTGTCCGCAAGGGGTGATGGC
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CTGAGTCCTTTCCAGGGGCCAATTTTGGATGAGCATGGAGCTGTCACCTCTCAGCTGCTGGATGACTTGAG
ATGAAAAAGGAGAGACATGGAAAGGGAGACAGCCAGGTGGCACCTGCAGCGGCTGCCCTCTGGGGCCACTT
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ATGGTGGCCAGAAATAAAGGGACCAGCCCTTCATGGGTGGTGACGTGGTAGTCACTTGTAAGGGGAACAGA
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ttataaggggtgatgttgaggctgctggtcagaggaccaaaggtgaggcaaggccgacttggtgctcctg
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tattagtctg
Table3 5166
CGGTTTTTTTTCTTATGCCACGGGAAGTTTAGAGAGCTAAGATTATCTGGGGAAATCAAAACAAA
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Table3 5169
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CACTGTCCATTCTGGCTTTGGTTAGCAGCTTCTTCTACAGACACAAAGATAGTCGGTATCTGACGCCGCTG
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Table 6
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GCTGTACCTGGCAGAAGTGATGGTTCGGCTGACTTGGCACCAGGCCCTGGATCCTGACAACCACTGCATCC
CCTACCTTACAGGGCTGGGGGACCTGCTCGGTTCAAGCTCCGTGGGCCACACTGCTGCTGTGCCAAGAAGG
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ATAAAACAGATTATATTGTANNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNATCCCAAAGCATTTTCATCAA
TGACAGCCCTGGAAAGTGAACCATCCATGTCTGGGAGT
Table3 5170
GCGGCCGCCCGGGCAGGTGCTTGATACGTCCGCCATTTTGGGCGCTTCGCTGATGGTGTCGGTGA
GCGCGTTTCCCGCCTGAGCGCAACTAGCGGCGGGTCGTGGGCACCTCCAGGAGAGCTTGTTTCATATCCAT
ATCCCACTGTATTCCTGCTAATCTGCTAATGCAGTAAATTGGAGGAAAACTGTTACCAGGATAACCTGTAA
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GTTAATGGATGAGGAAGATGTTTTACAGGAATGTAAAGCTCAGAACCGCAAACTTATAGAGTTTCTGTTAA
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TGTGAAATTGTTCGCCTGAGCAGAGACCAGATGTTACAAATTCAGAACAGTACAGAGCCCGACCCCCTGCT
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ATAGAGATCTGCCCACCAGGCATGAGCCATTCAGCTTGTTCAGTAAACAAGAGTGTTCTAGAAGCCATCAG
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AATGCCACAATTACCGATCAAGACTCCACTGGTGATAATTTGTTATTAAAACATCTTTTCCAAAAATGTCA
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ATGCAACAAATGACGTCCAATTTTATTGACCAGTTTGGCTTCAACGATGAGAAGTTTGCAGATCAAGATGA
CATTGGCAATGTTTCTTTTGATCGAGTATCAGACATCAACTTTACTCTCAATACAAATGAAAGTGGAAATA
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TGAGGAAAGTACAGACTCTGAAGAAGAAGATGGAGCAAAGCAAGACTTGTTTGAACCCAGCAGTGCCAACA
CGGAGGATAAAATGGAGGTGGACCTGAGTGAACCACCCAACTGGTCAGCTAACTTTGATGTCCCAATGGAA
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AGAGACGGGCTGGGCTTCTTTTTCAGAGTTCACGTCTTCCCTGAGCACAAAAGATTCTTTAAGGAGTAATT
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CAAGTGAAACACTAGACTATTTGGAGTGTATATGGCTTGTGTTTTGGGATTTTTTTTTTTTTGGCTTTTGT
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AACAAGCATCACCAATGAACATTTCAGAGCAATCTGCATATTTAACAGACCTAAAATAAATCCTATTAGGC
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Table 6
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TTTCTGTAATAGAAAATTATTCACGTATTTTTACATCATTTGTTTTTCCTGACCAGTATTTAAAACCAAAA
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GCATATGGAAATAAAAGAATCAAACGTCTAATGCCTTATTATTTCTGATTTCCTTTTTCATTTTAAGTGGT
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GCCTCCTCTGGAAGCAGCACCCCCAGAGGACAGGGCTCCTCCTGCTTGCCTCAGGGCTGCCTGACTTGAAT
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TGGCCAGGGTTTGGCTCCACTGGTGGCACACGTGGCCTCCGTGGTATGGACCTGGTGGCTTCTCCATCCCA
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ACAACACACTGCCCGCAGCGAGCGATTACNN
Table3 5172
NNNNNCAGAAAAGCTTCCTAGCTTATCTCCCTGCTTCATATCTCTCCCTTCTTTACCTTCATTTC
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TGGCACGATCTCAGCTCACTGCAAGCTCCAACTCCCGGGTTCACGCCATTCTCCTGCCTCAGCCTTCCAAG
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Table3 5174
TGTGGGTGAGTTGGCTGCCGGTGAGTTGGGTGCCGGTGGAGTCGTGTTGGTCCTCAGAATCCCCG
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ATCAAACTGTGACCAGTGTATCCACAAAAAGAAACCATAAATGTGATCCAGAGAAAGAGACAGTTGAAGTG
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CCGGAACTGATGACTCGGTTGTTTCTGAAGATCGACTTAATGAAACTGAACTGACAGATTTAGAAGGCCAA
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TGAGGAAGCATAATCACCAGTGGCACCACAAGCATTCTCATCATTCCCATGGCCCCTGTCATTCTGGATCC
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TCTGTCATGAACTGCCACATGAATTAGGAGATTTTGCAGTTCTTCTTAAAGCAGGCATGACTGTAAAGCAA
GCAATTGTATACAACCTCCTCTCTGCCATGATGGCTTACATAGGCATGCTCATAGGCACAGCTGTTGGTCA
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ATCCTTCAGAATTTAGGATTGCTCTTTGGATTTGCCATTATGCTGGTGATTGCCCTCTATGAAGATAAAAT
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TAGATTTGAGCCTAACCACAAGAGGCTGGTGCTTAGTACTGTTTTCCCTGCACGTAGGGGTCTTTTAAAAA
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Table 6
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TTTCACAAAATAATCATATAAAACACTAGTCTCTTTATTAGTAGAAACTTCTGTGGCTATGCAGAAATAGA
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TATGGAGGGGGAAGACAAGACGAGCATGTGCTTTAATGTGTCCTCTTAAATTTAGAGAATGTGTTTTGGTG
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Table3 5175
NNNNNNNNNGCATCTCACAGATCCATTTATTCATGCCATTTTCGAAGTTGAGCCCTTGCTAGAGA
TTCCGAGGTCCTCAGTTTCCTCAAATAGATAGATATATATTTTTCCCTTAAATGAGATGAAATGAGTGGCG
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GGGGCACATGGAGAGGGCTTTCTCGTCGCAGGGCTCGCAGTGCACGAAGGAGCCCAGGCTCTGGGCCGGCC
CCGCATAGGCGGCCAGCAGCAGGAGGACCGCGGTGAGCAACACCATCTTCTCTTAGTCGCCCCCTTTACCT
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NNNNNNNNNNNN
Table3 5180
NNAACCTTTCAAACTTCCCCGAAATGCACTTGTGGTCAGCAGCTAGCGGTCTTTTGTTTGGGGAA
AAAAGGAGTAGCGGCTAAGAGCGGAACCCTGACTTCTCAAAAAGCACTGCACAGAGGAGGAGGCAGCAGAA
CCCCATGGGCTGTTTTGGGAGAGGGACTGAGTACAGTGCAACACTACTCAAACTGTGGTTCACAAAGCAGC
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AACCCTATAAATGTGAGGAATGTGGTAAAGGCTTTAGTCGGCCTTCAAGTCTTCAGGCCCATCAGGGAGTT
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Table 6
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CCATCAGAGAGTCCACACTGGAGAGAAGCCATACAAATGCAATGAGTGTGGGAAGAGCTTCAGGAGGAATT
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CAAGGAGAAAAACAAGAGGAAGACGATCACAAAGAAAAGAACNNNN
Table3 5181
NNAGACGACCCACGCGTCCGGGGCGAGTAGGGAAAGCGGGGAGGGACGGACGGAAGGACGGACGG
AACCCGAGGCTCCCGGCGGCCGTCCCCTCCCCTCCCCCTCTCCGGTGCGCGCGGAGCTGGTTTTCCGGGTT
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Table 6
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GAAAAGTGTTGACTCAACAGCCACAGCTGATGACACTCACAAATTAGATCATATCAATATGAATCTTAATA
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GTAGCAGTGCTGCAGTCAAAGACACTTTGTGGCACTCCAAACAAAATCCCCAAATAGACCATGCCAGTTTT
CCTCCTCAGCTCCTTCCTAGATCAGAGAGCACAGAAAATCAAAGTTATGCTAAACATTCTGCCAATATGAA
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CAAAGTAGTGTGTCCTCCACAGCCTCTGTAAATCTTGGTGATCCAGGCTCTACAAGGCGGGCTCAGATTCC
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AGAGACCCCTTTCTGCACGAACATACAGCATAGATGGTCCAAATGCATCAAGACCTCAGAGTGCTCGACCC
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TAATTAAANNNNNNNNNNN
Table3 5182
NNAGACGACCCACGCGTCCGGGGCGAGTAGGGAAAGCGGGGAGGGACGGACGGAAGGACGGACGG

Table 6
2924/3331

AACCCGAGGCTCCCGGCGGCCGTCCCCTCCCCTCCCCCTCTCCGGTGCGCGCGGAGCTGGTTTTCCGGGTT
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GAACTTGGATTTAGCATATCAGGTGGTGTCGGGGGTAGAGGAAACCCATTCAGACCTGATGATGATGGTAT
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Table 6
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GTTGAACTCATCATTGTACGAGAAGTTTCCTCATAAGCACTGTGGACAAAAAAAGCGGGGAAGACAGCAAG
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TAATTAAANNNNNNNNNNN
Table3 5183
NAGTCGACCCACGCGTCCGGGCCAGGCTGTTTTAAACTCCTGACCTGAGGTGATCCACCCGCCTT
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Table3 5184
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TTTAGTGGACAAGGGCAGAAGGAAGAGGGAAGACCTGTTAGGAAGCTACTGCAAGGTTCCAGGCTTGGGCC
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GAGCTCGAGACAGGGATCTGAATGCACTTGGTTTATTGTTGGGGGTGCTCTCAGAAGGAACCTGTGAAAGC

Table 6
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CTTTATCAGTCATTTATTGGCTGTGAGAAGTTCTCTGGGAGTGTGGGTACATTTGAAGGCAAGTGACTTCA
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TGCTCTAAGATGCCTTGCTTGTCCTTTGACCCATCAGCATGGACCACAGTGGTTGCTGTTTGGTTCTGCAG
GCTGGTGGGGAGGCCGCCCATCGTGGTGGGGCATCTGTCCAGCCCCATTGCCACTCAGGGCATCCAAACAG
GAGGCACCCGCTGGGAANNN
Table3 5185
NNGCGTGCGCTGCCGGACGAGGCTCCCGCCGCCGATTGACCCGCGCTCCGCCCGGCGGATTGACC
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CTGGGACCCACTGGTTGAAGTTTGCAATAGAAACTTAAGNNNNN
Table3 5186
NCGTCTGGGCGTCTTGCATTACTATCGTGCGGCTGCAGGAGGTGTCGAGCGGCGTTATTTTTTTT
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GGGGGCTCCCACTCTCTACCTTCTTTCCTCCGAGTTTGTGACTCCGACATGGACAAAGTGTGTGCTGTTTT
TGGAGGCTCCCGAGGCATTGGCAGAGCTGTGGCCCAGTTAATGGCCCGGAAAGGCTACCGACTGGCGGTCA
TTGCCATAAACCTGGAAGGGGCCAAAGCCGCCGCCGGTGACCTCGGCGGAGATCATTTGGCATTTAGCTGT
GATGTTGCTAAAGAACATGATGTTCAAAATACATTTGAAGAGATGGAGAAACATTTAGGTCGAGTAAATTT
CTTGGTAAATGCAGCTGGTATTAACAGGGATGGTCTTTTAGTAAGAACAAAAACTGAAGATATGGTATCTC
AGCTTCATACTAACCTCTTGGGTTCCATGCTGACCTGTAAAGCTGCCATGAGGACTATGATTCAACAACAG

Table 6
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GGAGGGTCTATTGTTAATGTAGGAAGCATTGTTGGCTTAAAAGGCAACTCTGGCCAGTCCGTTTACAGTGC
CAGTAAAGGAGGATTAGTTGGATTTTCACGTGCTCTTGCTAAAGAGGTAGCAAGAAAGAAAATTAGAGTGA
ATGTAGTTGCACCAGTGACAATACTTGTATGGAGTTTATTTTGCACATTTGCAAGTATATGAGTGTAATCT
TGGGACTGGAACTGCAAAGGCTTCAGAGGATTTGTACACACAGATATGACGAAAGACTTGAAAGAAGAACA
TTTAAAGAAAAATATTCCTCTTGGGAGGTTTGGAGAAACTATTGAGGTGGCACATGCGGTTGTGTTTCTTT
TAGAATCACCGTATATTACAGGGCATGTTCTGGTAGTGGATGGGGGATTACAACTCATTTTGTAATTTGCA
GATTATTCAGTTATAGGGGTGATTAGCATCAAGGGCACACTTTGGCTACTGATTAGACAATTATACCTACA
TGGGTAACATGTGCTAATCAAACCTGCTGATGCTACAAATGTTAATTTCTGTCTTTATAAAAATATGTCNN
NNNNNNNN
Table3 5187
NNNNNAGATGTGTGCACACCCGGATGTTGTCCGGCTTATCGTGGGCGTCCCAGAGGCCCCGCAGA
GTGTCCTTCCAAGTCGAGGCCTGTTCCCGGCGGCGTTAAGCGCGCCGTGCCCGGTCTTATAAGGTCTCCTT
AGGGCCCTTGACCAAAAGCGGGACGCTAAGTTGGCCCCGGGATTCTTTTGACCCGCGCCCTTGTTGTGTTT
TTGGCAATCAGTTTATGTTTAAAGAATTATACGTTACATGTTGACATAGAAAAAGACATTTTAAAGAATGT
TCTTAAAAGGTTTATAAAAGGCATTTGTTCTGGCCAGGCATGGTGGCTCCCGCCTGTAATCCCAGCACTTT
GGGAGGCCAAGGCGGATGGATCACCTGAGGTCAGGAGTTCGAGACCAGCCTGGCCAACATGGTGAAACTCC
GTCTCTACTAAAAACACAAAAATTTGCTGGGCATGGTGGTGTAATCCCAGCTACTCGGGAGGCTGAGGTAG
GAGAATCACCTGAACCCGGGAGGCAAAGTTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCCTGGGC
GTCAGAGCGAGACTCTGTCTCAAAAAAAAAAAAAGCATTTGTTCTGAATGTGCCTCATCATCCCAGGCAGG
CATCTGTAAGTTTCCATTGTTTCCACAAAAACCAGTGGGGTTCCCCTCTCTGGAAAAAAGCACGAACATTC
TTGCTGCTTGGCAATGGGTGGCTCTCATGCCCACACCTCTCCACCCAAGGGAACAGTCTCTCTGCTCCTCA
CCTGGCAGAAGCCCAGACCCTGAGTCCCTAGCGCGGGGCAGAGCACAGAAACATGATCCAGATGCAGCAGG
CCCCGCCCGTCTAGTTCTCCTGCAACAGCCTCTTAGCACTGCTCCACTCTGACCTGCCCGGCTGGAATCAC
AGTTCCCACTCCGGCACAGGTAAAGATGAGCTCCCAGGATCCAGCAGGGGCTCTGCCCCTGGGGATCTGCC
GCCAGCCGGCTCTTCCCGGTGGACAGAACTAGGAGGGGCAGGCTGTACCCAGCACATCTCAGAGAGATGGA
GGCAAGCTGGGTTCCTGATGATTTCCAGCTAATACAGGTCCTTCCTCCTGCATGCAGGCGCCCCGTAACGC
TTTATAACAGACGCCTCTAGACTTCTGTGGGGGTAAAGTGAAGGACCCAAAGCGACACAAGTAGTGTCTGT
TCACACTTCCACTTTCAAAGCTAACTACTAGCTGTTCAAATATACTCCATACAGCTTTCAGCAAATCAAAG
TGTTTACCTCTCCCACACCAAGGGAAGAAAAGATGCAGACTGCCTTTAAAGCACCTGTCAGCAAGGCGAGG
GTTTTAAAGATCAGCCTTGAGAATCAAAGCAGCAGCAGAAGTGTCATTACTCCAGTGCTCTCCCTTCCCGT
TCGTGGGTCACACAGAGACAGGCACATCCCCAGCGCTTTGCAAACAGAAGCGCTCCCAAAAGTTGGCTAGA
GGGTACACTTCGGCAAAGGGATCATCTTCCCCCTGGCTTGCTGGACTCTTGGAAATGCGTCTGAAAGCCCT
TGCCATCCCGTCTTGTGCTGATGACAGCATGAGCCCGGTTGCACCTTGCTCAGCAACAAGCTGCGAGATCC
TCAGCTTCTCACTCATACCCCACCTTGAGCTGCTGACGGCGGCCTGGAGAACCGTGTGTGGCTGTTCCTGG
ATGACATCTGCTGTCACTAGCCTTCCCAGAACACCCGCTGCCCAGGGTTCCTGCTGCCTTCCCCGGTGGAC
AGATTTTGCAGGGAAGACTGAGGAAATGGGAGGGGGAGCTCTGCTCTAAAGCAGAAGGCACAGAAGGTGGG
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ACCCCCTCTGCATGATTGCTGGTCAGTGGACGAGAGGTAAAAGCAGGCAGGATTATTACAGGAATAAATCT
GCACTTCCAAAGAGGCAGCTCCCATGACTGAGTTTACAATGCTTGGAGCCCCCCAGGGCAAGAGTGGCACC
AGCTGGGAGGTTGACACTGCATCACTGCTTCGGATGCCCTCACAGGCTCTGACTCGCTGCCAGGTGCTGGT
GAGGCTGGAAGAACTTCCTTCCTTCCTATGTACAATGCAAACAGTGCCGCTTCCAGTGCTACCCACACGGG
TGCAGCCTCACGGGAGAGTTGCGGAGAGAGGGAATGCGTTCAGTTCAGCCAGCGGACGGCCAGGGGTAAGC
GGCCCCTAGTGGGTCACATGGCCTATGATGTCTGGAGACCGCAGATCTTCACCCTCTGGAGTCTCATTTGC
AGAGTCTCATTTGTCGTCCGGTCACTGTGGCCACCTCACCCTCGTCACCACGGGCCTTTCCTGTGCCGTGC
TCACTCTGACACTGAGATGCTGCCAGGCAGTTTTTTTTTTTTAAATCAGTGGAGTAAGTTCTAAGGGAGCC
CCATGTGCTTAAGATAAAAACGTAGCTGGTAAAGTGGAGGCAGAGGCTGCTTCTGTGAGGCTGCATATATC
TTACAGGACAAAAAGTTTTGTACTTGAAAACCAAATTCTGGGAAATAGCCCTGCAGGTTTTTGGGAAGCGT
CTCCCTCCCTGTCGTGAGTTCCACCTGGGCCCTCCGGGAGAACAGGGACAGGAGAAACACAAGCAAAGCAG
ACAGGCCCGGAATTGGGAGCCTGAGCCCTGCATATTTTGGAAGGGAACCCCTCGAGGGACTAGTCTGGAAT
AGTAGGCCAAACGGTAGGAAGCTTTGATTACTCTGCTAACTTGGGGGCCCAAGAGTAGGGCTAAAGCATTG
TCTGCAGAGAAACAAACAGGGAAATTCAGTAAGAAGGGCCTATTTTAACTTGCAGTTAGCAGGAGAATTTG
TCCCCAGATTTTGATCTAGCTTAAAGTCCCTTGATTCCTTCCCCTCTACAAATGGCAATCACGGTTGCCCT
AGAGATGCTGACTGACAAGGTCTCCCAAAGGAGGGGCCCTTCTGCCATTTATGGGCCCCTAAGTGCACACG
TGGGCTTCCATGCGGATGGAATCATTGGTCCCCACCAGGGAACCTGGACTGTGGGAGCTGCCGCCACCATA
GGACCCAAGGGCTTCCAGACCAGGAAGAGGCAAACAGCCTGCCTGGGAACACAGTGCTGGAACTTGGGACT
TGGGTTCTGAGCGGGGCTGCTCCCTGGGCTGTTGTCATCACTCTTTCCTTTTTTTTTTTTTTTCTTTTG
AGATAGGGTCTCACTCTGTTTTCCAGGCTAGAGAGCAATAGTGCAATCACACCCCACTGCAGCCATCTGTC
TCCTGGGCTCAGGTGATCCTCCCACCTCAGACTCCCGAGTAGCTGGGACCACAGGAGGGCACCACCATACC
TGGTTTTAAAACTTTTTGTAGAGATGGGGTCTCACTATGTTGCCCAGGCTGGTTTCAACCCGGACGGCGNN
N
Table3 5188
NNNNNNNNNNNCACGTTCAATTAAAGTAATTTATTGTATTCTTCCAGATCAGACATAAAGAGCAT
CTTGGGAATTGATACCACAACACAATGTTATACACCATTTTCACAACCAGGCTTGCATTGAATTCTTTTTT
AAAGAACATAGTAATTTTAAAAAATCTAAATATTTACATATTAATAAAACATATATACAGAAGATTGAGAC

Table 6
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ATTATCCATAGATATGGATTTTTTTTTTGCTAAGAAAGCCTATAAAAAGGTTTCTGAATAAAGACTGAACA
GTAGTCACAGTAAGTAAACACAATTTTAATTTACAAAATATGATTTTGCTGTTGCAGTTTTGATACGTATT
TCCAGTGTGTAGATCCGTTCATCGCACACATCTTTGGGTTGAACAAGCTCCACCCGTCCTCAAGTGCTGAA
CACCCCAAGCTGTGGCCCCGCCTTGGAAGGCAGTGCTTCTGAAGGTTCCCAGCAGATCTCTTAACAGACCA
CAGTTGGAAGTTAGCGTTTCTGCCTTGACCAGCAACATACTCATCCTATTTTAACACGGCGAAAGGTCACC
AATTAATCTTCTCCCTTCCCTTGGGTAGTAGCTCCTTGTGGGAGGCAGAGGACGGATTTTAAAACCCATGG
TGCAAAAAACACAAGAGCTGTGGTTTGCAGTCCTTCATCAGACCACTTGAGAAAACAAAGGGACTGTTGTC
AGGAACGGGATTACTTACTGGCCAGAAATGGAAAAAGGCTAACAAAAAGGTATGATGGAAATAATTTCTCC
AAACCTTCCTTGTAGCCCCCCAAAAGAAGAAAAAGAAGCCACACATATATGAGATGTAACTTGTCTAGTAG
TTAGATTGATTCTACAAGCCACGCCTAAAGCCAGCTTTTTGTTACAGTACAGGGATGCCTTCTCTCATCTT
TGATGACTGGCTGGTCTTTGGTGGAACAGGGATTTATCCCAGAGGGCCTCTCCTATCTCTAGGTTTAGCGT
TTCAGTGTGATGTGACATGAATACCTTGGACAGGGTAGTCAGGAAATTCGGGTTCTAGGCAGGGCCCCAGC
CACGGAGGGGTTAACGGGCTCTGGGCAACCGCTTACCCTCATTCATCCTCAGTTTCCCGGGTGGGACTGAG
TAGCCTCTACAATAACTTTTAGCTCTTAACATTCTGTGCTTTGCCAAATCCAGGGCTAGGGGAAGGCACTG
GAACTGCTAGTGGACAGGTGTGAACCCCGGGTTTGGTGATGTGTAGTCCAAATTGTTCTCATGCCAATTTT
TGGCCTTTGGGTCAAGTGGCGAAGATTCAATGCAANNN
Table3 5189
NNGAGGCAGGAGAACCGCTTGAACCCGGGAGGAGGAGGAGGTTNCAGTGGGCCGAGATCGAGCCA
CTGCACTCCAGCCTGGGCAACAGAGTGAGACTCCATCTCAAAAAAAAAAAAAAAAAAAAAAAAATCTGG
GACCCAGTACTGAGTGAAGACACCAGAGTGAAGGAGAGAGGCCATGCTGTGTCCGAGAAGCTCCTACTGGG
GTGGAAGGGACAGCTCCACAAAGGCTGCTCTTGCAGGGGCTCTCCTGCAGCAAGGTGCCTGCTGACTGTCC
CCAGACTGTCTCCCGACACAGAGGGATGCAAAGGCAGCCTCTTCCTGCTCAGTGGAATAGGGAAATTATAT
CACCTTTCACTTCCCACTCTCACTTCTGCCCCTGCTACCCTTAGTCTTTGGCTTTTGCTGACATTTTCCCC
TCTTATCTTTTCTCCTGACCAAGTTCTAGGTATTTCATAGGGCAGTCTAGGTGAGGGTTGGAACCCCAATG
AGTTGGGCAACAGAAACCCAGCTCACACTGGCTGTCACTGTGGGCAAGCTGTTCCCCTCATCTCTAAAAGT
GGAGATGAGATTAGTGTATGAGTCTGGCTTCCATTCAACTGTGTGTGAAAAAAAATTGTAAAATTTTCTTT
CTGGTTTACGCAAGTTAAAAGTTTATTTCTCTCATATGAAAGGAGTCAAGGCAGACAGACCAGGATGGGGA
GGGAGATGTCTACAGGGTCAAGGACCCAGGCTCTTATTTCGCTGTCTGACGTCCTTAGTATGAGGCTTTCA
CCTTCCAGGATGGCTGCTTGGCCTCCTGCCATGGTCTTTGCATTCCAGCCAGCAAAGAGGAAGAAGGCATG
AAGAAAGGCCTGCCTCTGACTTTAAAAACATTTCTTGGAAGTCCCATACTATTTTGCTTAATCTCCTCGGG
CAGAATTTAGTGTTGTGGCCATACCGAGCTTCAGGAGAAGCTGGGAAATTAAATCTTTATTGCAGATGCCC
ATGTGCTCAGCAGAGAACTGGGGTGCTTCATTCTCGTTGCTTCTTCCACCGGCCTCTCCGCGAGACATAGC
TAAACTTGAACTTGGCATTCCAAGGGTCTGGAAACATCTTCGTGGGACCCATCGAGAGGTTGTTTAAAGAC
TGGCACCCGCTCCCGCGCCCAGGTGGGGGAAAGGGCTGGCCAGAAGTGAAAGTCCGGTCGGGGCGCCACAC
CTAGGCTGCGGATTCCGAGAGACTGGGAGGCTGGAGGCCCCCGCGTGCCTGCCCNNNNN
Table3 5190
NCCGGACTCATCGGGTCTCGGCTGAGCCACCGGGTGAGCTCACCGCCCAGCTCAAGCCAGGAGAT
TGCGGGGGTGCCATTCGGTGCCCCGCGATTTGCTTGTAAATGCATCACGAAGAGGCAGCCCAGAATGAAGA
AAGCAAGCAGGAGTGTTGGCTCAGTGCCTAAAGTGTCTGCAATAAGTAAAACGCAAACAGCACAAAGACTT
AAACCTGAAAACAGCTCTTCAGCATCTACGGGAGGCAAACTTGTAAAACCTGGAACAGCAGCATCATTGTC
AAAGACCAAGAGCAGTGATGACCTTTTAGCTGGAATGGCCGGAGGGGTAACGGTGACTAATGGTGTTAAAG
GAAAGAAAAGCACCTGCCCATCTGCAGCACCTTCAGCATCTGCCCCTGCCATGACCACCGTGGAGAACAAA
TCCAAGATTAGCACAGGCACAGCTTCTTCAACCAAGCGGAGCACTTCTACAGGTAATAAAGAATCCAGTTC
TACTAGAGAAAGATTACGTGAACGTACCCGATTAAACCAGAGCAAAAAACTACCTTCTGCAGGTCAGGGAG
CTAATGACATGGCATTGGCCAAACGTTCCCGCAGTCGAACTGCTACAGAATGTGACGTTCGTATGAGCAAG
TCTAAGTCAGACAATCAGATCAGTGACAGAGCTGCTTTGGAGGCCAAAGGTGAAGGATCTTCTCACACTGG
CAAAAACCAAAGACGTAGAAATTTTACATTTGAGAAATGAACTGCGAGACATGCGTGCCCAGCTGGGCATT
AATGAGGATCATTCTGAGGGTGATGAAAAATCTGAGAAGGAAACTATTATGGCTCACCAGCCGACTGATGT
GGAGTCCACTTTATTGCAGTTGCAGGAACAGAATACTGCCATCCGTGAAGAACTCAACCAGCTGAAAAATG
AAAACAGAATGTTAAAGGACAGGTTGAATGCATTGGGCTTTTCCCTAGAGCAGAGGTTAGACAATTCTGAA
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GACCCATCAGCACAGTAACTCCCATGGACAATTAGACAGTGAGGCAGGAGGTCTAACAGGCCCTCACATCG
AGCGATGATGGGCTGGATGACATCCTCCCAAAGTCGAAGGTTCCCAGATAAGCGCCCCGGAAGGAGCCCGG
GAAGCAGGACAGGCCGGTGCGACGAGGACCCATGAGAAAACCACACGAAGGGATCCGACCGAAGAGGTAAG
AACAGACCTAGACAGGGACAAGCAGGGCTCACAAGAAAACGAAGCAGAAATAAAAGGAGAAAGACAGGGTT
TTAAAAGGGAAGAGCTCCTANNNNN
Table3 5192
NNGCTCAGGGTTCCGGAGCCGCGGCCCGGGGAGGCGAAAGCGGAGGGGGCCGCGCCGCCGACCCC
GTCCAAGCCGCTCACGTCCTTCCTCATCCAGGACATCCTGCGGGACGGCGCGCAGCGGCAAGGCGGCCGCA
CGAGCAGCCAGAGACAGCGCGACCCGGAGCCGGAGCCAGAGCCAGAGCCAGAGGGAGGACGCAGCCGCGCC
GGGGCGCAGAACGACCAGCTGAGCACCGGGCCCCGCGCCGCGCCGGAGGAGGCCGAGACGCTGGCAGAGAC
CGAGCCAGAAAGGCACTTGGGGTCTTATCTGTTGGACTCTGAAAACACTTCAGGCGCCCTTCCAAGGCTTC
CCCAAACCCCTAAGCAGCCGCAGAAGCGCTCCCGAGCTGCCTTCTCCCACACTCAGGTGATCGAGTTGGAG

Table 6
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AGGAAGTTCAGCCATCAGAAGTACCTGTCGGCCCCTGAACGGGCCCACCTGGCCAAGAACCTCAAGCTCAC
GGAGACCCAAGTGAAGATATGGTTCCAGAACAGACGCTATAAGACTAAGCGAAAGCAGCTCTCCTCGGAGC
TGGGAGACTTGGAGAAGCACTCCTCTTTGCCGGCCCTGAAAGAGGAGGCCTTCTCCCGGGCCTCCCTGGTC
TCCGTGTATAACAGCTATCCTTACTACCCATACCTGTACTGCGTGGGCAGCTGGAGCCCAGCTTTTTGGTA
ATGCCAGCTCAGGTGACAACCATTATGATCAAAAACTGCCTTCCCCAGGGTGTCTCTATGAAAAGCACAAG
GGGCCAAGGTCAGGGAGCAAGAGGTGTGCACACCAAAGCTATTGGAGATTTGCGTGGAAATCTCAGATTCT
TCACTGGTGAGACAATGAAACAACAGAGACAGTGAAAGTTTTAATACCTAAGTCATTCCCCCAGTGCATAC
TGTAGGTCATTTTTTTTGCTTCTGGCTACCTGTTTGAAGGGGAGAGAGGGAAAATCAAGTGGTATTTTCCA
GCACTTTGTATGATTTTGGATGAGCTGTACACCCAAGGATTCTGTTCTGCAACTCCATCCTCCTGTGTCAC
TGAATATCAACTCTGAAAGAGCAAACCTAACAGGAGAAAGGACAACCAGGATGAGGATGTCACCAACTGAA
TTAAACTTAAGTCCAGAAGCCTCCTGTTGGCCTTGGAATATGGCCAAGGCTCTCTCTGTCCCTGTAAAAGA
GAGGGGCAAATAGTCTCCAAGAGAACGCCCTCATGCTCAGCACATATTTGCATGGGAGGGGGAGATGGGTG
GGAGGAGATGAAAATATCAGCTTTTCTTATTCCTTTTTATTCCTTTTAAAATGGTATGCCAACTTAAGTAT
TTACAGGGTGGCCCAAATAGAACAAGATGCACTCGCTGTGATTTTAAGACAAGCTGTATAAACAGAACTCC
ACTGCAAGAGGGAGGGCCGGGCCAGGAGAATCTCCGCTTGTCCAAGACAGGGGCCTAAGGAGGGTCTCCAC
ACTGCTGCTAGGGGCTGTTGCATTTTTTTATTAGTAGAAAGTGGAAAGGCCTCTTCTCAACTTTTTTCCCT
TGGGCTGGAGAATTTAGAATCAGAAGTTTCCTGGAGTTTTCAGGCTATCATATATACTGTATCCTGAAAGG
CAACATAATTCTTCCTTCCCTCCTTTTAAAATTTTGTGTTCCTTTTTGCAGCAATTACTCACTAAAGGGCT
TCATTTTAGTCCAGATTTTTAGTCTGGCTGCACCTAACTTATGCCTCGCTTATTTAGCCCGAGATCTGGTC
TTTTTTTTTTTTTTTTTTTTTTTCCGTCTCCCCAAAGCTTTATCTGTCTTGACTTTTTAAAAAAGTTTGGG
GGCAGATTCTGAATTGGCTAAAAGACATGCATTTTTAAAACTAGCAACTCTTATTTCTTTCCTTTAAAAAT
ACATAGCATTAAATCCCAAATCCTATTTAAAGACCTGACAGCTTGAGAAGGTCACTACTGCATTTATAGGA
CCTTCTGGTGGTTCTGCTGTTACGTTTGAAGTCTGACAATCCTTGAGAATCTTTGCATGCAGAGGAGGTAA
GAGGTATTGGATTTTCACAGAGGAAGAACACAGCGCAGAATGAAGGGCCAGGCTTACTGAGCTGTCCAGTG
GAGGGCTCATGGGTGGGACATGGAAAAGAAGGCAGCCTAGGCCCTGGGGAGCCCAGTCCACTGAGCAAGCA
AGGGACTGAGTGAGCCTTTTGCAGGAAAAGGCTAAGAAAAAGGAAAACCATTCTAAAACACAACAAGAAAC
TGTCCAAATGCTTTGGGAACTGTGTTTATTGCCTATAATGGGTCCCCAAAATGGGTAACCTAGACTTCAGA
GAGAATGAGCAGAGAGCAAAGGAGAAATCTGGCTGTCCTTCCATTTTCATTCTGTTATCTCAGGTGAGCTG
GTAGAGGGGAGACATTAGAAAAAAATGAAACAACAAAACAATTACTAATGAGGTACGCTGAGGCCTGGGAG
TCTCTTGACTCCACTACTTAATTCCGTTTAGTGAGAAACCTTTCAATTTTCTTTTATTAGAAGGGCCAGCT
TACTGTTGGTGGCAAAATTGCCAACATAAGTTAATAGAAAGTTGGCCAATTTCACCCCATTTTCTGTGGTT
TGGGCTCCACATTGCAATGTTCAATGCCACGTGCTGCTGACACCGACCGGAGTACTAGCCAGCACAAAAGG
CAGGGTAGCCTGAATTGCTTTCTGCTCTTTACATTTCTTTTAAAATAAGCATTTAGTGCTCAGTCCCTACT
GAGTACTCTTTCTCTCCCCTCCTCTGAATTTAATTCTTTCAACTTGCAATTTGCAAGGATTACACATTTCA
CTGTGATGTATATTGTGTTGCAAAAAAAAAAAAAAAAGGGGGCCCTTTTTTGTAAAAAAAACCTGGGTGGG
GAAACCCATTTGGTTTTTCCCCCTTGGAACCTGGTTTTAACCCCTTTTTTAACGGGGAAAAAAAACTTTGA
AAAAGTTTTTTTTTCACCTTTTAACGGGGAAATGGGTGGGTTTTAAAACCCTTTTCCCCCAAACGCCGGGT
TTTTATCCGGTTAAAAAAATAATTGGGGGTTTTTAACAGGAAAAAAAACCCTGGTCCAATTTGGCCAAAAA
AAATTTGGGAATTGGAATTTAATTCACCCCCCCCACAAATTTTAATTTTCCAAGGGGTTTTTTGGCAACAA
AAAAGGGTTTGAAAAAAAAAGCCCCCNNNNNNNNNNNNN
Table3 5193
TTGGAGCTCACCGCGGTGGCGGCCGCCGGACCAGGTACGCGGGGAGACTTTTGCCACACACAAAT
TTGTGAAAATTAAACGAGATGTGGAAGGAGAACCTCAGGTGATTTCATTCCCTAGTGAGGCCTCTGAGGGC
CTCCACACTGCCTGGCAGAACATACCACTGAACTAGTATGTGCTAAAAGGAGGGCACAAACATCCGCTCCT
TCCCTAGGCCTGCTGGCTCTGGTTTTCTATGCAGATGATTCATTGGATTGGGGGTGAGTGTTTGTTATTTC
TGGGGGCAGATGTGAGCTTTGAGGGTTGGAATATCGGGAGGCATTCCTTAGTTTCCTCAACTAGCCTGGAA
AGTTAGGAGTCTAGGGTAATTACCCCCCAATGAGTCTAGACCTACTATTCACTGCTTTGTGTGCATTTTGG
TTCTCCCTCTTTAAAAAACCCTTTACAAAGAACAAAGAAAAAGTAGATAGTGCTAAATATTTTAGCTCATG
AACCTTGGTTAGGAGTTGGCTTGGGGGTACAAGTCCCCAAATACCTCTGGTTTACAGTACGCCCAGGGAGT
GGAAATTCTCGTCAGGCAGGTACTTTCACAGGTGTAGGATGGGACGGGACAAAGTGAAGCCAGGACAATTC
AGTTCCTTATAGCTTCTTCCTTCCATTTCGGAGATCTCACCATGCCATCTATCACAGGGTTGCAAAGAAGA
TGCTGAGAGTTACACAAGGCACTCCATTGGAGTCAGAAGAACATGCACGAGGGTGGGGGCCAAGCGGGAGG
GTCAAATGCCATCCAGAGGACTCAGCGCAAAAAAGCCCTAGTTGCGCTCGAATCAACCCGGTGGTAGTGAG
TGCAAGTCCGTTACAAAGGCATTCAGCCTTGGCATCCTTTCGGCACGTGTAGGACAACGTTACCAAGCGCA
ACACGACCAAGGAGAGACTAAAAGCAGCACGCGCACATAACCTAGGAGGGGAAGGCGACCTAACAACCAGT
CCANN
Table3 5194
CGTCCAAATTAGGCTAGGGCGGCCGCGCGCTAAGATGGCGGCGGCGTGAGTTGCATGTTGTGTGA
GGATCCCGGGGCCGCCGCGTCGCTCGGGCCCCGCCATGGCCGTCACCATCACGCTCAAAACGCTGCAGCAG
CAGACCTTCAAGATCCGCATGGAGCCTGACGAGACGGTGAAGGTGCTAAAGGAGAAGATAGAAGCTGAGAA
GGGTCGTGATGCCTTCCCCGTGGCTGGACAGAAACTCATCTATGCCGGCAAGATCTTGAGTGACGATGTCC
CTATCAGGGACTATCGCATCGATGAGAAGAACTTTGTGGTCGTCATGGTGACCAAGACCAAAGCCGGCCAG
GGTACCTCAGCACCCCCAGAGGCCTCACCCACAGCTGCCCCAGAGTCCTCTACATCCTTCCCGCCTGCCCC
CACCTCAGGCATGTCCCATCCCCCACCTGCCGCCAGAGAGGACAAGAGCCCATCAGAGGAATCCGCCCCCA

Table 6
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CGACGTCCCCAGAGTCTGTGTCAGGCTCTGTTCCCTCTTCAGGTAGCAGCGGGCGAGAGGAAGACGCGGCC
TCCACGCTAGTGACGGGCTCTGAGTATGAGACGATGCTGACGGAGATCATGTCCATGGGCTATGAGCGAGA
GCGGGTCGTGGCCGCCCTGAGAGCCAGCTACAACAACCCCCACCGAGCCGTGGAGTATCTGCTCACGGGAA
TTCCTGGGAGCCCCGAGCCGGAACACGGTTCTGTCCAGGAGAGCCAGGTATCGGAGCAGCCGGCCACGGAA
GCAGCAGGAGAGAACCCCCTGGAGTTCCTGCGGGACCAGCCCCAGTTCCAGAACATGCGGCAGGTGATTCA
GCAGAACCCTGCGCTGCTGCCCGCCCTGCTCCAGCAGCTGGGCCAGGAGAACCCTCAGCTTTTACAGCAAA
TCAGCCGGCACCAGGAGCAGTTCATCCAGATGCTGAACGAGCCCCCTGGGGAGCTGGCGGACATCTCAGAT
GTGGAGGGGGAGGTGGGCGCCATAGGAGAGGAGGCCCCGCAGATGAACTACATCCAGGTGACGCCGCAGGA
GAAAGAAGCTATAGAGAGGTTGAAGGCCCTGGGCTTCCCAGAGAGCCTGGTCATCCAGGCCTATTTCGCGT
GTGAAAAAAATGAGAACTTGGCTGCCAACTTCCTCCTGAGTCAGAACTTTGATGACGAGTGATGCCAGGAA
GCCAGGCCACCGAAGCCCCCACCCTACCCTTATTCCATGAAAGTTTTATAAAAGAAAAAATATATATATAT
TCATGTTTATTTAAGAAATGGAAAAAAAAATCAAAAATCTTAAAAAAACAAGCAAACAGTCCAGCTTCCTG
TCCTCCTAAAGTGGCCCCTGTTCCCATCTCCCGGGCCAGACAGCTGTCCCCCCCGTCCTCCTCCCCAGCCCA
GCCTGCTCAGAGAAGCTGGCAGGACTGGGAGGCGACAGATGGGCCCCTCTTGGCCTCTGTCCCAGCTCTCT
GCAGCCAGACGGAAAGGCGGCTGCTTGCCTCTCCATCCTCCGAAAAACCCCTGAGGACCCCCCCCCATCCT
CTTCTAGGATGAGGGGAAGCTGGAGCCCCAACTTTGATCCTCCATTGGAGTGGCCCAAATCTTTCCATCTA
GGGCAAGTCCTGAAAGGCCCAAGGCCCCCTCCCCAGTCTGGCCTTGGCCTCCAGCCTGGAGAAGGGCTAAC
ATCAGCTCATTGTCAAGGCCACCCCCACCCCAGAACAGAACCGTGTCTCTGATAAAGGTTTTGAAGTGAAT
AAAGTTTTAAAAACTAAAAAAAAAAAAAAAAAAAAAAATCGAGGGGGGGGCCCGGTACCCAAATTCGCCC
TTTAGGGAGGTCTTTTTACAANNNNN

Table3 5196

ACGCGGGGGTCTGCCGCGGTGGCCGGGTGCCGATTTGACAAGATCAAAGCTGCAGGAAAATGGAC
AGTGAGGTTCAGAGAGATGGAAGGATCTTGGATTTGATTGATGATGCTTGGCGAGAAGACAAGCTGCCTTA
TGAGGATGTCGCAATACCACTGAATGAGCTTCCTGAACCTGAACAAGACAATGGTGGCACCACGGAATCTG
TCAAAGAACAAGAAATGAAGTGGGCAAGTGAGTTAAGGACGTACTCGTCTTGGTGAGAGCGTGAGCTGCTG
AGATTTGGGAGTCTGCGCTAGGCCCGCTTGGAGTTCTGAGCCGATGGAAGAGTTCACTCATGTTTGCACCC
GCGGTGATGCGTGCTTTTCGCAAGAACAAGACTCTCGGCTATGGAGTCCCCATGTTGATGGATCCTGAGCT
TGAAAAAAAACTGAAAGAGAATAAAATATCTTTAGAGTCGGAATATGAGAAAATCAAAGACTCCAAGTTTG
ATGACTGGAAGAATATTCGAGGACCCAGGCCTTGGGAAGATCCTGACCTCCTCCAAGGAAGAAATCCAGAA
AGCCTTAAGACTAAGACAACTTGACTCTGCTGATTCTTTTTTCCTTTTTTTTTTTTTTAAATAAAAATACT
ATTAACTGGACTTCCTAATATATACTTCTATCAAGTGGAAAGGAAATTCCAGGCCCATGGAAACTTGGATA
TGGGTAATTTGATGACAAATAATCTTCACTAAAGGTCATGTACAGGTTTTTATACTTCCCAGCTATTCCAT
CTTGTGGATGAAAGTAACAATGTTGGCCACGTATTTTTTACACCTTCGAAATTAAAAATGTGAATTCGTGG
GTCCCAAAAAAAATAAGATACTAGTAATCGAAAGACAAAGATACAAAACACATAGTAGAGCGTACAGAAAA
CAAAAAATGGTGGGGCGGCGCCAAAGAATTATACAACGTGGGCGGGGCGAAGATAAAGAGATTTTCCAAGA
ACGGGGGAGTGGTGGTACAAAAAGGGGGGGGTCAAAAGGGGGGGATTATAAAGCACNNN

Table3 5197

CTCCACCGCCGTGGCGGCCGAGGTACCTTTGCTGAAGCATCTTTGTGATCATATTTTGTTTATTA
ACCCAGCCATCTGGATACATACACCTGCAAAGACGGAGTTTCACTCTCATTGCCCAGGCTGGAGAGCAATG
GCGCGATCTCGGCTCACCGCAATCTCCGCCTCCCTGGTTCAGCCCATTCTCCTCCGTCAGCCTCCCGAGTA
GCTGGGATTACAGGTTCAACTTTCCCTATATACATATTTGTCTGCTGAATTTATTGGAACTGCTACCATCT
ACACCACCATATGCAGAATAGGAACAGTTATTAAAGATAATGCACACCTTAAAATATTACTACTGGGTTAT
TAATCCTGCTGACAGTAGTGGCATTACACCTAAAGGATTAGAGCCAAAGATTCCTGAAGACAGAAATATTC
ATGATGTGCTACAGTTACTGGTGGCTTTAATGTCAGAACACCCAGCCTCAATGATACCAGTATTTAATCAA
AGAAATGGAATAAGCACGTTGGGTGAGAGAAAGAAAGAAATCACATCCTTTATCCTCCCACACAGCCAAAG
ATTCCTGAAGACAGAGCTGATGCCATGT

Table3 5198

NAGTCTCTCCTTTAGGGAAATTAAATCCCTTAACGAATGGGATCAGATGGAGAATTTAAGCCAAT
GCCCGTAGGTCAGGTTCCAGAAAATTCCCCCCACCCAGTATTAACAGGCCGACCCTGCTTAGTTCCGAGAC
CAGATAGATCGGCCCTTTCAGTGATATTGCCGTAGACGTCTCTACCAAATTCCTGACAGGTGGTTACTGAA
TCTCTCTATGAACTTTCCATTCAAAACTTTCCAAGTTTTTCCTTATGTGGAACCGAAATCTTTCTTTCTCC
CGTGAAACTTTACTACTATCAGATAATTGAAGACAGATCTCTTTGTATTCTCTTCAAGCCCAAACCAATTC
TGTTCCTTCAATCTAAATAGTGGTAATATGAATGTTTAAGAAATGAAATAAGAAACATGTGCAGGCACTTT
GGAAGGTGCTAAGTGACTGCCCTAAGGAATGAAAAGCAAGGGCCAGGTGGGAGTAGCCCAGCGAAGGCACT
TGGGCTGCCAGGAACAGGAGGCGTGGGAAACTCTGGCTTAGGAAAACATGAACACAGGGGCAACAGAGGCA
AACTGTTGTTCGAGTTAAATATAAATCTCAGGCTCTTTAAAGGTAAAAGGTTTAAGGATAATCCATTTGGA
AGAAGAAAAGAGTGAGGCTGAAAGTAAAGCCACATGACAAGCATATAAAAAAAAATGCAGATGATACAAAT
ATGAAAGAGGCCTTCAGTGTTTGTTTATTAAGAATCTTAATGCAGTTTACTGATGGATTAAAAACAGCTAA
CATTGTCTGAAAATTATGTTACCTATAAGAAGTTGGAAATAAATAAAAGCATAATCACTAAAGACCCCCAC
CCACCCACAAAACTCTTTTAAAAAATTACATATAAAAAAACCCCGGGGGGGGAAAAAAAATAAAGAAAAANN
NNNNNNNNNNNNNNNNNNNNNNNN

Table3 5199

NCCTACTACTACTAAATAACCGGCCGGTCGACTTTTTTTTTTTTTTTTTTTTTGACATTAAATAG
GTTTAATGAATCCACTTCCTTTATTGCAGTAACCTCTGTACAAAGCAGCAACTGCAATACTCAAGGTTAAA

Table 6
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ACATTAGAAAAGCATTTGTGTGACAGGTATATTACAGTATTATCAAAATATTACATTTTCAGACTTACTTA
GCAGATAATCATCCACCAGAGCTTAAATCTTTAAATTATTTCCATAGTCTTAAAAAATATGTAATGTCAGA
ATGCATATAAAAAGAATGTAAAAGGAAACCTAAAATACAAATGGAATAATGTAACAAATAAATATTTGATT
TCAGTAACTGTTAATAATCAGCTCAACACCACCATTCTCTCTAAACTCAATTTAATTCTTATAGGAATAAT
GAACTGTCAAATGCCATGGCATAATTATTTATTTCCAAGCTATCATCAATGATTAGAACTAAAAAAAATTT
GGCATAAAAAAATCACAATTCAGCATAAATAAAGCTATTTTTAGCTTCAACACTAGCTAGCATCTCTAAGA
ATTGTTGAAATAAGTACTATAACCTTGAAAATTTTCGACCTGGTGTCTAGTGTTAAGTGAAAGTAATGCAT
TTTTTTTAAGTGAAAAGCTTCTTACATTATTTCACAGACAGTATTACCCACCCCACATTATGAATAGTTAG
ATATATTTTATGTACTTTATACCCACATGTATGACGCATGACATTTGGTTCCTGTAGTACAGATCACAATG
TTGTTTTCCTGAATGGGAAAAACTTAAAAAAAAAAAAAAAAAAAGGTAAGTGTACCTGTGCACATTTCAAGA
TAGCAGCACTCAGTCCATGCCCTATTATCCATCTTAAAAGTTCACACATTATTGTTTACTGAATAATATTT
CTACTGTCTTTACCCCCAAACATTGCAAAACCTGCAATGGAACAATGCTGTGAGTTATAATGTAGAAATTT
TTTTTTTTTTTTTTTTAGAAAATCAGTTACTTCATTTTCTTAATATTCTGAATTCAAGTTATCAGATCTCT
ATACCTAGGTCATACTCATGAAGCAAAAATGCTGCACACCACTGAAAATAATAACGTTATAGATGTCTATC
AAGATTCATGAAAACCAGCCAGGCGCAGTGGCTCGCACCTGTAATCCCAGCACTCTGGGAGGCTGAGGCGG
GTGGATCACAAGGTCAAGAGATAGACACCATCCTAGCCAACACGGTGAAACCCTGTCTCTACTCAAAATAC
AAAAATTAGCTGGGCATGGTGGCGTGCACCCGTAGTCCCAGCTACTAGGGAGGCTGAGGCAGGAGAATCGC
TTGAACTGGGGAGGTGGAGGTCGCAGTGAGCCAAGATCACGTTACTGCATTCCAGCGTGGCAACAGAGCGA
GACTCCGTCTCAAAAAAAAAAAAAAAAAAAAAAAAAGGATTCGTGAAAACCTGCATAAATTTTCCACCACAG
AAACTTGTATCAATTAACCCACTTAACAGTATTTTAGGCGAAGTATTCTCCATTTTTGAACTGGAAAATTG
TGTGAAATTACAGCATGCCCTTCAAATGATCACCTTTGTTCTCTATGAAACCTGTATCTGTTAATCTGATT
TGAACATATGTTTACTTAAACCAAAGTTTGCCTAATGAATCTTGATCACTTTAAAATGCAAAATACCAGCA
ACATAAATTTCATTATATATACACATATGCATCTGTGTATGCATATTACATATATATACACACACACACAC
AAATATGTAGACATAAATCCCTTGAAATGTTTTCAGGAAATCCTTCCTTGAATTATAAATGAAAAACTTCA
CATTAATAATTTCATATAAAGCTTTTAGTAACAGTACATATGCACTGTCAAAATTTTACTAGACTATGATG
TCAAAACAGACATTTCAAAAGCACAAACTGGCAGTTTTTCTTAACAAAAGTTTTAAAATATTAAGAATGGA
TTAAATTTTAATATTCAGAATAATCTGTTCAAACCTGAGTGTATTAAGACTAAGTGTACTTGACAATTGAA
TGAATTAAGCCTAAAAACATTTCTCTAAGAAACCAGTGGTCCATTTAACCATTTGATGAAACATTATTTTA
ATGACTTATAAAGGATAGTACAGTATACTGAAATTCCACTTAAATACTGAAATATTCTACTAAATGACATT
GTTTTGTCTAAATTTCCTCCAGAAAAATCTGTTAGCATTTCTTAAAAGTCCCTCAGATTTGAGGGAAATTC
TAAATTAGGACAGTTTTCTCTCCAAATAAATATAAATGATCTTGAGTATTTTTGTTTAAAGAATGACGTGA
TTTTTAAGCATGGTATATAGAAGTATGGGATGAATCTTCAATCTTCCCTAAGGTTTCAATAAATAATAATA
AATATAGTATGAATAGCCGGTCAGGGCGCTCAAAAAGGTATTTGGGGGGGCTTTTTTCCCTAGCTCTATAT
TCACATATACTCATATAAACCTTACCATGGGGTTACTTTTTGGTTACCATTTCCCCTTCCCCATTTTTGAT
TAACCTGCCCTAATTCTCACCTTTAATATCTAACAGATACCTGTATAGAATTAACAAAACACATACAGTAC
TCAACACTAAATGGTCAANNNNNNNNN
Table3 5200
NNGGAGGTGTAGGTGGGTGGGGTCATTTCACTAGTGTTGTCTCAGTTAGGCCTCCATTCCTACTT
TCCTTTGAAAGCTGTTCTTCTTGTGTACTCAACCCAGAAAATTCCAGGCCTATTGTCCTCAGCCCTCACTA
GAGTCCTAGATACGCACCGTTTTATTTTCTTTTTTTGGTGTAAAGATTCAGTTAAAAAATATCTTCCTTCA
GACATCTGCTGACTACAGGAAATTATTGTCATAGCCCATGTGAAGGTCATAATGAGACTAAGATGACGTTT
TAAAACTCCTGAACTCTGTAGGGAAAAGCAAGTAGAAGCTATTATTCTTACTCGCTGGTAACATACTGTAG
ATAGCTCCAGGACTGAGACCCGAGGCCCGGAGGACACACTTAGTGTTCTCCCTATGTCACAGTCCTACAGG
CCAGCAAAAGTGAGTACAACTGTCCCAGCATGTCAGTTACACATACTGGCCCTAAATGTTCAGCATAATTT
AAAAGGGAAAGAAAAAAGTTGGCTTTTCAGACAAAATTTTGTGTGAACTGAACAACGTCAGACTATGCTTC
TTTGGGTCCAAATAATTTTAACTTTACAGCTCTCAGATGTTCTGGCAGCTCATTCTTTGTTCATTTCACCT
ATTATACAAGTGTTTCTGGGTCCAAGCCACAGAGCAAAATAGACACAAATAAATCAAATAATAAATGTTTC
ATATAAAGGAGAAAATGCTAATGGTCTGTTATCTATACCAGCAGTCCCCAACTTTTCTGGCACCAGGGACT
GGTTTCATGGAAGACAATTTTTGCAGGGACCCAGGAAGTGCGGGGTAGTGGGTGGTAGGATGGCTTTGGGA
TGAAACTGTTCCGCCTCAGATCCTCAGGCATTGAGGAGCCTGCAACCTAGATCCCTCACATGTGCAGTTCA
CAACAGGGNNNNN
Table3 5201
GGAGTCGACCCACGCGTCCGGCGCTCACGGCGTGGGACTGAGCAGCTACCTTTCAACTGAGAAAG
ATGCCAGCCCCAAAACCAGCACTTCTCTGGGAAAGGGCTCCTTCTTGGACAAGATCTCGCCCAGTGTCTTA
CGTAATTCTCGGCCCCGCCCGGCCTCCCTGGGCACGGGGAAAGATTTTGCAGGTATCCAGGTAGGCAAGCT
GGCTGACCTGGAGCAGGAGCAGAGCTCCAAGCGCCTGTCCTACCAAGGACAGAGCCGTGACAAGCTTCCTC
GCCCCCCCTGTGTCAGTGTCAAGATCTCCCCAAAGGGTGTCCCCAATGAACACAGAAGGGAGGCCCTGAAG
AAGCTGGGACTGTTGAAGGAGTAGACTCTGCGACCAGTACAGACCCTGTCCTGGCTGAACAAGAAGAGACA
CATGCTCCACTTGGGAGCCTTTGCCACCACGCAACTCAGGGCTCAAGATGAATGGGAGGGAGAGATTTGAG
TCCAAGCATACATTTATATTCAGTGTTGTGCCATTGAGTTCCCATGTGGATCATTCTGAAGGTGATCTCCA
CAAGAGGGTGTGTGTGTGTGTTTGGTGTGTGTGTGGAGGGGGGGCCGCTGGATACATCACTGAAGCTAT
TGATATAACACAATGAGTCACTGTTCAGAATTTGCTCTTGTCAGATGTTTTCTTACATTGGGTAGAGTCCA
GCCTAGTGAGAGCTGAGTGACAGGGGCTGGCCATGCCTGAGACAAAAAGTCAAATGAGACAATGGACGTGT
CAATGACTTGAAAAAAAGTCACATCCAGCAATGCAGGTCACATGAAATATGGGCCTCCTGGAATCCCTACA

Table 6
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GTGGATGGCAGACTGGCTCATACTTGCAGATCCTCTCTCAGTTCCACGCCTTCTGGACAAGGCTGGGCTAA
GAGGAGCTGATTCGTTATCTCTGCACCCCATGGCCTCTTCAGTTGTCAGCAGTTCCCAAGACAGGTTCGTA
CTGTAACCATCTCATGATGAATGATAGCGAACGCCCTGTGGCTGAAAGGCAGAAGGGACCATGTTTGGCCT
ACTCACGGGAGGAGCCGTGCCCACGGTGAAATCACCCCAGGGGTGTCCGAAGCGACCGGAATCAGGTTCGG
CACACAAGCAGCGGGTGGGGAACAGGGCACCGGTATCCAACAAACCTGGGCGGAGTATGTCCGAACCATTG
TTACTAAGGATGGGGTGTCCACCCACTCTGTCCAAAGCN

Table3 5203

ACCACAAATTAATGGTTAAAATGCATCCCTCATACGACAATGTAACTTCTTCCTCTCACTGTTGA
TGGCCTATCTTCCTGAAAACATTAATCTGGGGGTGAGAACTTGGGAGATACACACAGTTGGGTTCACCATA
AATGAGGAGCCTCACTGACAGTGGAAGATGCACAGGAAAAGAAAGAAGACTATGGGCTGCTTCCTTAGAAT
TGTCTTCCTGCTTGCTGTGTTACTGCTAGAGCTTCCTGTGTGGGCTCCATATGGTCCCTATTCTTCCCACC
ACTCATGAAAACACCAAAGAGCAGGCTCAGAGTGACCACAGCCAAGCCCCAGCTCTGCCAGCAGGCCC

Table3 5204

NACTGGAGGCAGTGATTTTGGGGCAGAGAATTTGCAACACGTGGTAGTGAACTGTGAGGAGTTGA
GGGGTCTGAAGACTGAAAGAGTCGAATGGTTGTTGGCAGGACCTAGAAGAATCCCTTAGGATGAAGCTGAG
TCTTACCAAGGTAGTTAATGGCTGTCGCCTAGGAAAAATAAAAAACCTGGGCAAAACAGGGGACCACACCA
TGGATATTCCAGGCTGCCTTCTGTATACCAAGACTGGCTCCGCCCCAACCTCACCCATCACACGCTGCATA
ATATCCACGGGGGTTCCTGCCATGGTCAGCTTACGCTGTCATCCCTAGCAGAACATCATGAAGTCTGTGAC
AGAATATAAAGAAGGAGTGTGGAAAGTTTATAGGTAAAAATTAAGTTACTTATATGTGCCTTGTGATGTGT
TAATTGGAGTTGGAGGTGCTGTTACCTCTTGTGATCTTTCATTCATATGTTGTTTATTCATAAATTTAATA
AGTATTATTTGAACATCTAAGAGCCAGGCATGGAAGTCAAGATGTGACTAGGAAACAGTTGCTGTCTCATG
GAATTTGGAGGCTAGCTGGGATAAACGATAGAGAATTCTAGTAAAAAATGTGGTTCCTGTTACAGGATTAG
GGAATTTGGATGGGTATTCATGACAGGCAGGAGGGAGAGGATATAACTTGGTCTTAGGTATATTGTGCAAA
GGGGTCGGAATAACACAGGATCTTTTTTGGTTACGGTCATAAAACCAAGGAAGGTTTTGGAAAAATTGGGG
GTTCGGGAGAGGAAAAAGTACACGTGAGGGGCCCAAAGTTGTGGAACTCGGGGGANNNNN

Table3 5205

ACCACTGGTTTGCAAATAGAGAAACCTCTAAGACTCTTCTTACTCATTTCCTTGACCAAAATAAA
ACTATGAGTGGAAAATGGAGTGATGAGCAGTAAGCACACTGGAAAAGTGGGATGATCTTGAAGCAAATTGC
TGATAATCACTTCTGGGATTCAGACTGAGACTTGAGCAAGCTTCAAGGTTGGATGACTGAATTGAAGACTT
CCATGTTAAATTGGTTATCTTGAGAAGGATACAAGTTAATTTCAGATATTGATGATGCTCAAATACTTCCC
CGCTCAACTAGAGTCAGACATTTTTCACAAAGTGAAGAAACTGGAAATGAAGTTTTTGGTGCTTTGAATGA
GG

Table3 5207

ACTTTTTTTTTTTTTTTTGCCGGAGTCGAGCGGGTGCTGCTAGCGGAGGCGCCATATTGGAGGGG
ACAAAACTCCGGCGACAGCGAGTGACACAAATAAACCCCTGGACCCCCTTGTTCCCTCAGCTCTAAGGGCC
GCGATGTTGTACCTAGAAGACTATCTGGAAATGATTGAGCAGCTTCCTATGGATCTGCGGGACCGCTTCAC
GGAAATGCGCGAGATGGACCTGCAGGTGCAGAATGCAATGGATCAACTAGAACAAAGAGTCAGTGAATTCT
TTATGAATGCAAAGAAAAATAAACCTGAGTGGAGGGAAGAGCAAATGGCATCCATCAAAAAAGACTACTAT
AAAGCTTTGGAAGATGCAGATGAGAAGGTTCAGTTGGCAAACCAGATATATGACTTGGTAGATCGACACTT
GAGAAAGCTGGATCAGGAACTGGCTAAGTTTAAAATGGAGCTGGAAGCTGATAATGCTGGAATTACAGAAA
TATTAGAGAGGCGATCTTTGGAATTAGACACTCCTTCACAGCCAGTGAACAATCACCATGCTCATTCACAT
ACTCCAGTGGAAAAAAGGAAATATAATCCAACTTCTCACCATACGACAACAGATCATATTCCTGAAAAGAA
ATTTAAATCTGAAGCTCTTCTATCCACCCTTACGTCAGATGCCTCTAAGGAAAATACACTAGGTTGTCGAA
ATAATAATTCCACAGCCTCTTCTAACAATGCCTACAATGTGAATTCCTCCCAACCTCTGGGATCCTATAAC
ATTGGCTCGTTATCTTCAGGAACTGGTGCAGGGGCAATTACCATGGCAGCTGCTCAAGCAGTTCAGGCTAC
AGCTCAGATGAAGGAGGGACGAAGAACATCAAGTTTAAAAGCCAGTTATGAAGCATTTAAGAATAATGACT
TTCAGTTGGGAAAAGAATTTTCAATGGCCAGGGAAACAGTTGGCTATTCATCATCTTCGGCACTTATGACA
ACATTAACACAGAATGCCAGTTCATCAGCAGCCGACTCACGGAGTGGTCGAAAGAGCAAAAACAACAACAA
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TTGTACAAGAAATCTCTCAACAAACAACTGTAGTGCCAGAATCTGATTCAAATAGTCAGGTTGATTGGACT
TACGACCCAAATGAACCTCGATACTGCATTTGTAATCAGGTATCTTATGGTGAGATGGTGGGATGTGATAA
CCAAGATTGCCCTATAGAATGGTTCCATTATGGCTGCGTTGGATTGACAGAGGCACCAAAAGGCAAATGGT
ACTGTCCACAGTGCACTGCTGCAATGAAGAGAAGAGGCAGCAGACACAAATAAAGGTGGTCCTTTTGTTTG
ATGAAGAAATAAACTTCAGCTGAAGATTTTATATAGGACTTTAAAAAGAAGAGAAGAGAAAGAAGAAACAA
TGCATTTCCAGGCAACCACTTAAAGGATTTACATAGACAATCCTATAAGATCTTGAACTTGAATTTTATGG
GTTGTATTTTAATAATGTAAGTAAATTATTTATGCACTCCTGGTGTGCTATGAATATTATTCCAGTTAGCC
TTGGATTATTTCAGTGGCCAACATATGCAGACATTTGTACTCCTCAACCATTTTCTCAAAGTAATGGGCAT
TCTATGATTTAGACTTCAAGGAATTCCAATGATGAAGATTTTAAGGAAAGTATTTTATATTCAACAGGTAT
ATTCTGCTGCATGTACTGTACTCCAGAGCTGTTATGTAACACTGTATATAAATGGTTACAAAAAAAAAAAA
AAAGTCAGTGCTTCTAAAAAGAATTTAAGATAATGGTTTTTAAAATGCCTTTATAATAAGCTTTGTTTCTT
TGTGAAACTAATTCAGCAGGCTGAAGGAAATGGTTCATGTGATAATGTGGGCTGGTATCCTCTAGAGTACC
TGGGTACATAAACAGAAACTCCTGTAGGTAAAAAGTAATTTGTGCCATTAGTCTTTCTATGTTTCTGCATC
CAGATAGAGTGCAGTTCATGAGGGAGGGGGCGGGGGACTGAAGGGGAAAGGGCGTTAAAGTGATACATTTT

Table 6
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TATACCAAATGTGTTTATTTTTTTGTGCAAGTAATCCTTAAAATTGCAATTGTATTAGGTGTTAAAATCAA
GTTTTTAAAAAATTACTTGTATTTATACTTTACATACN
Table3 5210
NNNNNNNCGGAAGTCTTCTAGAATTAATTAACGCGGGGGGAGCTAAAGTGGTCGTGATTCATGCT
GTCGCGGGAACCCCGAAGGTGGGGCCCCACGTAACAAGAAGATGACCCGAAGTTGCTCCGCAGTGGGCTGC
AGCACCCGTGACACCGTGCTCAGCCGGGAGCGCGGCCTCTCCTTCCACCAATTTCCAACTGATACCATACA
GCGCTCAAAATGGATCAGGGCTGTTAATCGTGTGGACCCCAGAAGCAAAAAGATTTGGATTCCAGGACCAG
GTGCTATACTGTGTTCCAAACATTTTCAAGAAAGTGACTTTGAGTCATATGGCATAAGAAGAAAGCTGAAA
AAAGGAGCTGTGCCTTCTGTTTCTCTATACAAGATTCCTCAAGGTGTACATCTTAAAGGTAAAGCAAGACA
AAAAATCCTAAAACAACCTCTTCCAGACAATTCTCAAGAAGTTGCTACTGAGGACCATAACTATAGTTTAA
AGACACCTTTGACGATAGGTGCAGAGAAACTGGCTGAGGTGCAACAAATGTTACAAGTGTCCAAAAAAAGA
CTTATCTCCGTAAAGAACTACAGGATGATCAAGAAGAGAAAGGGTTAACGATTAATTGATGCACTTGTAGA
AGAGAAACTACNN
Table3 5211
CGCATTCAACTTAAATGCTTTTATTGACAATGTCTTGGAACAATAAGCAAACCCCGCGTACCCAA
CTCTCAGCCAGAGATGGTGGAGGCCGTCAAGAAGCACATTTTAAACATGCTGCACTTGAAGAAGAGACCCG
ATGTCACCCAGCCGGT
Table3 5213
ACAATTTACGTCCTAAGGGGGGGCTACTCTAATTATCCCATTCAAATGGAATTTTTTTCAAAATT
GGATAGAAGGAATTGAAGAGTTGTAAGTAGTGATTAGTCTGCTAATCAGTTCTTCAGATGAGATATTGAAT
GGTAACACTCTGAGCTTAAAACTCAGCAGTGTGTCTGTGACCTCCACGCAAATCAGAGGAAGCAATGCATC
CACGCTGAGCCTCACCATGTCTTCCTCCCAACTCTCTTCATACTCTCTGTGTCTTCCAGCTCTTCTTTCTC
TGGCCGGCTCTCTTTCCTCTTCTCTCTGCATATGTGAGAACGCCTGGGCATCCTGGGTAACAGCAGCCCCA
GCTGCCCTCTCCTGTTCCCTGTTCCAAGTCCCCTGCACTGACCTTTCTTGAGTCTCTCTGGCTCTGTGCAT
GTCTTTGGGACTCTCCTCATCTGGCTTTTCCTCTGTGTGTGCCTCTCTGTTTGCTTATGTCTCTGGCTCTG
TCTTCCCCACCCCTCCCCTCACACACACACATACTCCCAAATGTAAGGCTCTGTGGCAGGTTGGAATCGGA
GTAAGGCTTGAGATTCACTGAGTTCTGTAGGTAGGGAAAGAAGTCAAGGGAGTGGAGGTTCTATAAGGAAT
TAACAGCTGAGGACGGAAGGGTTTGTTTCCCGTTTGAACCTAAACGCAAGTGGAAAAGAATACTCAGAATG
TATTTTTCTACTTTACATCTGCTGGGGAAGGAAATGTGTCAGGAAGCCGCTGCATCTGGTCATTTCATCGC
ATCAGAATCACAGCAGACGTGGAAGATTCCATGTGGTGGGGAATAAAGAAATAACTTTATGCTCTCCTGAA
AAACAGCGGGAGCCTATGTGTGTGTGCGACACTGTAATCTCAAGGAGATTCACTCAGAGCTGTCTCAGTCC
AACTCCTGCATGACCAGATCTTCCCTTAGCATCTTTTCTGTGATGAAATATTATCTTGTGTTAGAGTTAGG
AATAGGAACTAACCTGTAGGAGCATGTCCCCAAATGGACATTTGAATGGACTAACAAAAACAACTGGAAAG
ACTGAATTTCCGACACAAAGGAATGATGGGATCAAAAAGAAAGCAGTGAGGAGTTCTTGAGTCTTGTAGTA
CCTATTCTTATTTTAACTTGCTTCATCCTTGATCTACCTGAGACACTAAGAAGGAAATTAGTTTTCCAAGA
GCTCTTTGAACCTGTCTAGGACTGTAGTTAAACCTATTTGCCCTATGGGGGTTCTTCACACTCGAAAAACT
ATTTCCTTATCACCAACGACCCACCCAGAAAGGCCAATGAGGCCAAATGTAACAATTTTTAACATTTAAAT
ATAACTATTAAAATTGCATTAATTGTGAACAGTGAATTAAAGGGTTGTCTTCTCCAGGAGACAGTATGTGG
CACTTTTCGTAAATTTCATTTAATATATAAAAATTTAAATCACTCACTGCAACATGCATTTAAAATCTTCC
AAGAAGGTAGAGGTATCATTTTCTGTTTTGCTTTGTTTTAAAACAGTTGCCTCAAGCTTCTGTCTTAAGAG
TAGTGACTTAGAATCCAGATATCTTTTGTTTTAGAAAAACAAGCAAAACTATGTTGCAAGACTGACAGTTG
TAATGTTTATTTGCCACAGATCAAAGGTTCACAAAGTATATCAAATTTACATCTACTTGGGGTACCTTGAT
AGATTATTATTGTTTTTCTTTTATCTTTCCCTTCAGGAATTTGGAAACTCGTTGTCACTTTTTTTAATTTT
AAAAATACTAAATTGTAATAGTTTTCTTTTGCCAAATGTGTGCGTACATATTCAAAGCAATGAAACTATTT
CAAGCCATACAACCACAGGGGTGGGAACCCTTTTCACAAATTTTAATGTGTTTGTATGTAAATAGATGTTT
GTATGAAATATTTTCATGATAGAATGAATATATTTAAATGAAGTTGAATTATTCCAGTGCTACTTAAACAC
ATTACAAAAATTTTGGTGAGAATTATCTGAGTCTATTGAGATGTAATGCAGATCAATTTTGATTTTTAAAA
ATCAAAAGCCTACAATAACTCTGACTCTCAGCAACTTCCTCGGCGTTGTTGCACCTGACGTGGAGAGAGCT
CGTAGGCTTCCCCAGTGCCTCAGCCGCTTCCTGGTGGAAGTTAGGTGCTAATGGAGGTGTGTTCACCTTTT
AGTGATATCACTGCAGGCCTTTGAGGGGCCTGAGAGTGAATCAGAGGCATTAGAGACACCGGTGCAGTTAT
CTGGAGCACAATTTCTTTGCAGGGCAGCAGAATCAGAAGCCAGACTTGGCCATGTGAACCTCGAAACTCGG
TTTCCCGGCCGCCATCAACCGCCACCCTTACTGCCTAGTCACACACGTCAGGGAGGCTGCCCTCAGTGGAG
TTGGGGTTGAGACCCCAGGGTGGGACTTCACAGTTTTGCCAGCAATCTCTACCTTCTGACTTCTGCCTCGC
AGAGAGGAAGGAGAGGGGAGCATCTGGCAAGGGGCCCATTTCTCAGCACAGTACATTTCCTGTCTCAGCTC
TGGAAGACTATGCACCCAAGCACCAAACTTCCAACCAGAGAGAGAGACGTCCTCCGATAACAAAAATCCTT
GCTTCCTCTGTCTGTGACTTTACACACAGTTGTTCAAAGTTGTTAAATGTCAAGAGTCAATCACATCCCTA
GGACATACCTCCCAACTCTCCTGACTCTTATGTTATTGAAAAAACAAACAAACAAAAACTCCTTTATGATG
ATATTCAACTTGAGTGGGGTTTTTTTTCCACTTTGGTCCTGGATATAATGAAATGATACATATTAGGATAA
ATTTTCACTGTGTATAGTAGCAATACGAACACACATGCCAATGTATCAACATATCTACTTGGTTACATTTT
GGTTTATGATAATTAACCTTGATTCATGTATTGGGAAGCTACAGGGACTACGTAATACCTGCTTATCACAT
AGGAAAATTATGTCCATGATTCTGAGCTCCCTTCTTCAAAAGTTTCCTCCTGGGTGTTCTATGTTCTCTCT
TTATCCTGAAATACATTTATTAGGTTGTGAGGTATGTTGAAGAAGTAGAAGCCAGGGGTATGCTTTCAGCA
TTTATTGCAACCAAAAGTTAACCCCATCACGGTTAACGAGCATCTTTGGTCTCTTGTGGAATTTGAACTAA
AACTATGAGCCTTATTCAATATCTATAATTCTATGATTTTTTTAAATTATGGGAAATTAATGAAAGATGTT

Table 6
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TACATGAATAATGTTTGCCCTTACTGTGTTATGAATGAGTTTTTTGTAGTGTGTCTGGGTGCATGATGCAA
GAGAGTAGGAAAAATGTTTCTGAAACAAAACTTGACAAATATTTGTAATGAAAGTAAATTTAAAGATTGCT
ATAATTGCGCTATAGAAACAATGCAAGTATTAAACAAAATATACAATCAAAAAAAAAAAAAAAAAAG
Table3 5215
CCGGGCAGGACGCGGGGCTCTTTCCCTCGGAGCGGGCGGCGGCGTTGGCGGCTTGTGCAGCAATG
GCCAAGATCAAGGCTCGAGATCTTCGCGGGAAGAAGAAGGAGGAGCTGCTGAAACAGCTGGACGACCTGAA
GGTGGAGCTGTCCCAGCTGCGCGTCGCCAAAGTGACAGGCGGTGCGGCCTCCAAGCTCTCTAAGATCCGAG
TCGTCCGGAAATCCATTGCCCGTGTTCTCACAGTTATTAACCAGACTCAGAAAGAAAACCTCAGGAAATTC
TACAAGGGCAAGAAGTACatAGCCCTGGACCTGCGGCCTAAGAAGACACGTGCCATGCGCCGCCGGCTCAA
CAAGCACGAGGAGAACCTGAAGACCAAGAAGCAGCAGCGGAAGGAGCGGCTGTACGATCTACAGAGAAAAC
CTTTATCAAAATGAGGACATTCCTTTTAAACTTTGTTTCTCGGCAGTTTTTATCATAACGATGTTTAATGC
TGTCAAATGTCTCCTTCTGTATCTgttgAGATGATTATACAACTTTCTTCATTCtgacagTgAATTACAtt
ggtttcaTTTTCAACTTTTAAACTAACtTTACAtcccTGAGATAAACCCCACttggttgtggtgCAttgtc
ctttggAATAttgctagagtTGATTTCTaggttTTTTTTTTTTTTAagattTCTATAttggtgttgatGga
gatattggACttttgtatccttttcttgtaatgtc
Table3 5218
NNNCCCCTTTTTTTCCCCGGGGGGGGATTTACCCCCCCCAAAAGGGAAAAAAAAGGGGGGGCGGGG
CCCCCCCCCCGGGGGGGGGGGGGGAAAAAAGGGGAAAAAAAATTCCCCCCCCCCGGGGGGGCCCCTTTTTT
TAAAAGGGCGCCCCGGGGGGGGATACTTTTTTTTTTTTTTTTTTTTTTTGGAGGTTGAATGCAGGGTTT
TATTGAGTGGTGGAGGTGGTTCTCTGAAGGATGGATGCAGAGCTGGAAGCGGGGATGGCACGGGAAGATAA
TCTTCCTGCTGGGTGGCCAAACCTCTCCGACCACCCTCGGCTGAACTCCTCTCGGCGTTCAAATGTTCCTC
TTCTCTCTTTCTCTGCTGTATCGTTTCACCATTCATCTGCTTGTCTGGGATGGTGAAGACAACTGTTTGCT
CATTTGCTTGGCGATAGGTGATTGTCTCGCCGCTCAGCTATAGGCGATGGTCTCACCACTCGGTGATAGGC
GATTGTCCCATCTAGGTCGCCAAAATGTGTCTGGAATTGGTGGGTTCTTCGTCTCACTGACTTCAAGAATG
AAGCCGCGGACACTCGCAGTGAGTGTTGCAGTTCTTAAAGGCGGCATGTCTAGAGTTTGTTCCTTCTGATG
TTCGGATGTGTTCACAAGATTCTTCCTTCTGGTGGGGTTCATGGTCTCGCTGGCNN
Table3 5219
NGACTGGTGGAGGGACCAGCAGATATTTCCTCCGAAGGAAGGATGGGGCAACCCTTGGTCTTGGG
GAGAATCTCTACGCCCACCTCGACTGTACACACACCTATGGTGCCCACAGGTCCAGCTAGGAATAAATGCA
CAAAGAGCTCCACCATCTGAGATTACCACTCAACTTTTAAAGACAAATTCTTATTTCATCCCTCCAAAGAT
AAACATCACATGGAAAAATGTTTCACATCAATTCTTTATTATGCCAGTGAAGGATGCCTTTCTTCAGGAGA
TGCAACATGGAGAAAGTTTTAAAGGCAGGCAGTGAAGAGAAGGACAAGACGTCTCAACCCAGCTCCTTAGA
TGGAGAATAAGTCTGCCCATCCCCACACACACATGCAGTGGGAATGCCAGCCGCTGCCTGTTCCTCGGTAT
AATCTCACCTGTGCTTCAAGCCTGATTATTAACAACCTTAGCTCAGATCATGAGGCCGAGCCTAATTTTCC
GACGTTGCACTCCAGGTCACTTCCAGCTTGGGCCTTCTAAGGGACTCTCATTATTCCCCCCAGCCCTGAGC
TGCAGCAGATCCCCGCGTTAATTAATTCTAGAAGACTTCCGANNNNNNNNNNNN
Table3 5220
NATAGGAGTCGACCCACGCGTCCGCCGCAAGGAGGAGCCGGCGGTAGCTTGGTTCCTGAGCGGAT
GCTGGGGCTGTAAGGCGCGCGCGGTCAGCTGTTGGCGGTGCAGGGAGGAGGACGCCGGGGCTCGCCTTCCC
TCCTCTGCCGCCGCTGCCGCCATGATTCCGGTGTCGCTGGTGGTGGTGGTGGTGGGTGGCTGGACTGTCGT
CTACCTGACCGACTTGGTGCTGAAGTCATCTGTCTATTTTAAACATTCTTATGAAGACTGGCTGGAAAACA
ACGGACTGAGCATCTCCCCTTTCCACATAAGATGGCAAACTGCTGTTTTCAATCGTGCCTTTTACAGTTGG
GGACGGCGGAAAGCAAGGATGCTTTACCAATGGTTCAATTTTGGAATGGTGTTTGGCGTAATTGCCATGTT
TAGCTCATTTTTTCTCCTTGGAAAAACGCTGATGCAGACTTTGGCACAAATGATGGCTGACTCTCCCTCTT
CTTATTCTTCCTCCTCTTCTTCCTCTTCCTCCTCTTCTTCCTCTTCCTCTTCTTCATCTTCTTCCTCTTCC
TCGCTTCACAATGAACAGGTGTTACAAGTTGTGGTTCCTGGTATAAATTTACCCGTCAATCAACTGACCTA
TTTCTTCACGGCAGTTCTCATTAGTGGTGTTGTACATGAAATTGGACATGGGATAGCAGCTATTAGGGAAC
AAGTTCGATTTAATGGCTTTGGGATTTTTCTCTTCATTATTTATCCTGGAGCATTTGTTGATCTGTTCACC
ACTCATTTGCAACTTATATCGCCAGTCCAGCAGCTAAGGATATTTTGTGCAGGTATCTGGCATAATTTTGT
CCTTGCACTCTTGGGTATTTTAGCTCTTGTTCTCCTCCCAGTAATTCTCTTGCCATTTTACTACACTGGAG
TTGGGGTGCTCATCACTGAAGTTGCTGAGGACTCTCCTGCCATTGGACCCAGAGGCCTTTTTGTGGGAGAC
CTTGTCACCCATCTACAGGATTGTCCTGTTACTAATGTGCAAGATTGGAATGAATGTTTAGATACCATCGC
CTATGAGCCCCAAATTGGTTACTGTATAAGTGCATCAACTTTACAGCAGTTAAGTTTCCCAGTTAGAGCAT
ACAAACGACTAGATGGTTCAACTGAATGCTGTAACAATCACAGCCTCACAGATGTGTGCTTTTCCTACAGA
AATAATTTTAATAAGCGTTTGCATACATGTCTTCCTGCCCGGAAAGCAGTTGAAGCAACTCAAGTTTGCAG
AACCAATAAAGACTGTAAAAAAAGCTCAAGTTCAAGTTTCTGTATAATACCTTCTTTGGAAACTCACACTC
GCTTAATAAAAGTAAAACACCCACCTCAGATTGATATGTTATACGTAGGACATCCTCTGCATCTTCACTAC
ACAGTGAGCATCACCAGTTTTATCCCACGTTTTAACTTTCTAAGCATAGATCTGCCAGTGGTTGTGGAGAC
ATTTGTCAAGTACCTGATTTCCCTCTCAGGAGCTCTGGCTATTGTTAATGCAGTACCCTGCTTTGCTTTGG
ATGGACAATGGATTCTAAACTCTTTCTTGGATGCCACCCTTACCTCAGTGATTGGAGACAATGATGTCAAA
GATCTAATAGGGTTTTTCATCTTGCTGGGTGGCAGTGTACTTTTGGCTGCCAATGTGACCCTGGGACTCTG
GATGGTTACAGCACGGTAATGTTTGCACTCATCTGACAGAATCCCTGAGTTACAGTATACAGCTATGTGGT
AATATTCATTGCCATTGAAATTCTTACTTGGTATGAAATATAAAGTGTTTCCTTAAAATTACATCTTAGCC
AACAACCCTGAGCTCCTCCCATATCCAGAGTACCCAAACTCTGTGGTAGAAGATAAGCAGAAGAAATGAAA

Table 6
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GGCATAGTCCCTGACTATATTCTAATTTAGGACTGAATGTACCCAGATGCTTGTGGAATAATATCTAAGCA
AGTGCAAATTCATGTAATACCGTTTTGTCTGATTACATATTGTGTTGAAATAGTATAAAGGAGAACAGAAC
TGGGTGGAATTAATTGGGAAAAACTTCTTACAAAAGCATCATTAATCAAAATTTGAAGGAGACCAGACTTT
GGCCAAGTGGAAGGATGACCATTGTCTTGGCCTGTATCTCTTGTCCTTTGTCTTGTTTGAAAAGTATTTTA
AAACTTAATGGTGTATTATTTTGTGCTCTGAAAGCTGAGGTCTGATTACAATTAGTAAAATTCTATAGAAG
AATCTGCTGACGTGAAAGGGAAAAATCTTTGTCAAATGATACCAAATAAATGGACCAAACAGGAGGTAGGG
CTATGCATTTCGGAAACAGTTTTGCCCCACACAGCTGTCCCAAAGGGGCCCGCCCCTGTTAAAGGACGCTG
CTTTGCCTCCGGGCCGGGGAATCACACACTGGTCGTGACCAGGGGCCGGGGCATTCAACACCGGCCTTCCA
AAACGCGAGAAGGCACACCCCAAGGGGGGACCCAGAAATGGCGGAAGGAGGCGGGCCAAACACATCCNN
Table3 5221
ACGCGGGCAGATGCCTCCGGCCCACAGTTCCACCAGGCAGCGGGAGAGGACCTGCTGGCCCCACC
GCACGACACCAGCACGGATCTCACGGAGGTCATGGAGCAGATTCACAGCACGTTTCCATCTTGCTGCCCAA
ATGTTCCCAGCAGGCCACAGGCAATGTGAAGTATTCATCCGGCCAACCAATGTTTCCTGACGTACGCGGGG
GAGAGAGAGAGAGAGAGTTGTCAGGAAAGCTGCAGGTTACTTTGAGACAGTCGTCCCAAATGCATTAGAGG
AACTGTAAAAATCTGCCACAGAAGGAACGATGATCCATAGTCAGAAAAGTTACTGCAGC
Table3 5222
NTAGAGCGGCCGTGAAGTAGCCCCCCAACTTGCTGGCGTGCTGCTTCTTTGGGAACACCCCTGGG
TGGCGTTTCATGTAATGGGACACGATGCCCTTCTTGCTGAACGACTGGAAAGAGCACAAGGAGCACTTTTT
CTTCTCCACTGCCCGCCGGAGTTCCTCGCTCAGCTGAGGGGAGTCGTCCTTGGGCGGGGATGGGATGATCA
CTTTGTTGGGCTTGTCGCTGATGGTCCTGGAGGCTGCCAAGCAGTGAGTGTAATACGCATCAATGTCGTGG
CGCTTCTGGTAGTGGGCTGCCAGACCTTTGCGGATGGGGTTGGTGTAGGCACACAGGGCACACTTGAAGAG
GTTGTTCTTGCCTTCTGGCTGGGCTCGGACATTATTGTGCTTGATGCGGTAGTGCCTGGCGATCCCCTTCC
TCGTGGAGCAGAAGTACGTCNNNNNNNNNNNN
Table3 5228
ACTGATCGTCTTGTTATCACTCCATTAACAGATAGATGCTATATCACGTTAGCTCAGGCCTTGGG
CATGAACATGGGAGGTGCTCCCGCAGGACCTGCTGGCACTGGCAAAACAGAAACCACAAAAGACATGGGAA
GGTGTTTGGGAAAATTATGTGGGTCGTGTTTCAATTGCTTCAGAATCAAATGGGATTTTCAGAAGGCCTAG
GAAGGATTTTCAAAGCAAGAAAAGAAAGAAAGAAACAGTTCATTTTTTCTGATGGTGATTGTCGTTGATTT
AAAATCCAGGAATTTGGAATCTTCTTAACGATGAACCCTGGATATGCTGGGCGCCAGGAACTACCAGAAAA
CCTAAAAATCCAGTTTAGAACTGTTGCTATGATGGTTCCTGATAGACAGATCATTATGAGAGTTAAACTTG
Table3 5232
NNNNNNNNNNNNNNNNNNNNCCGCGCAGGCGTACCGGGTGCCCCGGCTCTGGAGCATAAACAAGA
GCGGGGACGGGATGAGGCGGCGGTTGATCCCAGGGTGGCGAGTGGCGGCGACCGAGGCGGCGAGCGGGGCC
CGGCGCCGACCCTGAGTGCAGCCTGACCCGCCCTCGCGCGCGCGCCCTCCCCGGCCGGGCCCACTCGCCGC
GCGCCCAGCCATGAACCTGGCGAGCCAGAGCGGGGAGGCCGGCGCCGGCCAGCTGCTCTTCGCCAACTTCA
ACCAGGACAACACAGAAGTGAAAGGGGCATCAAGAGCAGCTGGTCTTGGCCGTCGCGCTGTTGTCTGGTCC
CTAGCTGTTGGTAGTAAGTCCGGTTATAAATTTTTCTCCCTTTCTTCTGTGGATAAGCTGGAACAGATCTA
TGAATGCACCGATACGGAAGATGTGTGCATTGTAGAGAGATTGTTCTCCAGCAGCCTAGTGGCCATCGTGA
GCCTTAAAGCACCAAGGAAGCTAAAGGTTTGCCACTTTAAGAAGGGAACTGAGATCTGCAACTACAGCTAC
TCCAACACGATTCTGGCTGTGAAGCTCAACAGGCAGAGGCTGATAGTATGCCTGGAGGAGTCCCTGTACAT
CCACAACATTCGGGACATGAAGGTGCTGCATACGATCAGGGAGACGCCTCCAAACCCTGCAGGCCTGTGTG
CGCTGTCAATCAACAACGACAACTGCTACTTGGCGTACCCAGGGAGCGCGACCATCGGAGAGGTGCAGGTC
TTCGATACCATTAATTTGAGAGCTGCAAACATGATTCCGGCTCACGACAGTCCTTTAGCGGCACTGGCCTT
TGACGCAAGTGGAACTAAACTTGCCACGGCTTCGGAGAAGGGGACCGTGATTAGGGTATTTTCCATTCCAG
AAGGACAAAAACTCTTTGAGTTTCGGAGAGGAGTAAAGAGGTGCGTGAGCATCTGCTCCCTGGCCTTCAGC
ATGGACGGCATGTTCCTCTCCGCCTCCAGCAACACTGAGACCGTGCACATCTTCAAACTCGAGACTGTGAA
AGAAAAACCCCCAGAGGAGCCCACCACCTGGACCGGGTACTTCGGGAAAGTGCTCATGGCCTCCACCAGCT
ACCTGCCTTCCCAAGTGACAGAAATGTTCAACCAGGGCAGAGCCTTCGCCACGGTCCGCCTGCCATTCTGC
GGCCACAAAAACATCTGCTCGCTAGCCACAATTCAGAAGATCCCGCGGTTGTTGGTGGGTGCCGCCGACGG
GTACCTGTACATGTACAACCTGGACCCCCAGGAGGGCGGCGAGTGTGCCCTGATGAAGCAGCACCGGCTGG
ACGGCAGTCTGGAAACGACCAATGAGATCTTGGACTCTGCCTCTCACGACTGCCCCTTAGTCACTCAGACA
TACGGCGCAGCTGCAGGAAAAGGTACTTACGTGCCTTCATCCCCAACGAGACTTGCCTACACAGACGACCT
GGGTGCTGTGGGTGGCGCCTGCCTGGAGGACGAGGCCAGCGCCCTGCGCCTGGATGAGGACAGCGAGCACC
CGCCCATGATTCTTCGGACTGACTGAACTTGACCTGTGACCTCTGACCCGGGGAGCAGAGAACACTGGCTT
CACAGAGGACTTTGTGCATTGCTGCTATGAACTTTGACCTGAGTCGGGGGAGAGGATGGCAGAGACTTTAT
TAAAAAAAAAAAAAGATTGTAGTGGTAGTCTAACTCCATAACGCTGAGGAAATACATCATTTTCACTTCAG
TGGCTTTTAAATCCTGCTTATGAATTTTAGCTTTTTGTTTGTTTGTTTTCTCTTTTTGCCAAAATTAACTG
TTTGGTGAAGCCCGCAAAACCTCCTCGCTTTGCATGCATGAACGTGCCAAGCCAGCATAGGGGAGCTAGAA
GCCACTTTCCAGCCACCTGCCGTTGGGTTTTTTCATATCTGTACATAATGCCGAGTGCGTAAGGAAACCGT
GGCGTCGCGCACAGTGGGTCTGCTTGTCAAGGCCAGTTCTGCAGTGACAGGCCCAGGGGCTGCCCACCAGG
TGTGCTGGGCAGACTTCAGCTGGGACAGAAGTCCGATCTCCCTAGGGCCCCACCTGGACCATTTTCCCTCC
GTTTTATTTTGTTAATTAAATTCTTTCCAAATTGGATCGCTCTGGGATTTCTTCCATGGTGGACTTTTGTT
TCTGATCTTGTTTTCCCTGTGGATATTGGAGGACAGCGAGGTTCTTTCTGATACTAAAAACCTTTCTTTCA
GGCAGCAAATGAACTTGAAAGGTTGCCTGGACTCGCTGGAGCAAAGGAAAGCGATTTTGTTTGTATAATTA

Table 6
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AATGATCTGTTCTTCTACTTCACTCTTCCTGTTGAAAAACTGTGTGATTTTTTTTTTTTTTTAAGTAAAGT
TTGTAGCTCCTCCCATGCCCAGGAAAGCACAGAACTCAAGTGTGGTGGCCGTCTGAGCTGTCCTTTCGCTG
GCCCCGCTGTCCGCAGGGGCTTCCTACCTGTGTGAGAGGTCGTAGCGGGAGACAGCAACAGAGAGTAGGCG
GCTGGGCCACGTCCTTCACAGGGCGTCATGTGCCTTTCTATTTTCATCTTAGAAAATTTCCTCAGCAAACC
GATGAGAGATTGTGGTTGCAAGCTTCAGTATTTGCCTCGCTTCCCTTTTCATATTTACAGAATTAAAACAA
CCTCAAGTACCTCAGACTCTGCATTCCAAACCAAGGCACCCAGCAGCCAAAGTGTCGAGGGCATTTAAGTG
GCATTAATGGCAGGAGAGATGGTTTTAGAATCTATGGAGTGGTGGAAGTTACGGATAGAAGGGAAAAGGCA
AAAACTATTTACCCTGCCTTTGCAGGCTGGGGTTTTTGAACCGAGGAAGGCTGGGACGCCTGTTTCCAGAT
GGTTGTCATGGTCACGCTGGGCGAAGAGCTGGAGGGGAGTTGTCCCCTCAGCTGAGCGGCTGCGGTGAAAT
GCCCCAGTGTTCCTGGGTTGGCTTTACGGCAAACTAAATGCAGGGGACGCTGGAGTCCGACTCACCTACAC
CGGCTTCCTCCCAGCCGCTGGTGTGCGGCACACACAACATCTGCATTAGGCAGAGGTGCAAGTGGGCTGAT
TGAACTTTTCCTTCAAAACCTGCTTGTCTGTCCTGGACCTTTGATGAAATGGGATCCCGGTCACGCAGGCT
GAGACAGTGGGGACCGCCGAGGCCAGAGTGGGCTATGCTTGAGCAGGGATGAGAAGGGCCGCGGCAGCACG
CAGCCTTGACCCACGCCTGCGTCTTGTGGTGCAAGGCCAGAGGGCTCTCTCTAGAACCTGACCGTGCACTC
CATCTCCTGGGAGCCACTTTTGGCAAGAGTGAGTGTGGGGGGAAAAAGTGTGCACAAGAGATACGGAACCC
TGAGCTAGGGTTTCCTGTCACCAAAGAGTGAGCTGCATTTCCAGTTCTGCGTTAAAGTATCGTTTGTTCTG
GTGCCTGCCTGTGGTGGTGATTTGGAGACTCAAATTTCCTTTGCCAGGTCTCTTTTGTCTTTCTTTGGGAT
TGGTAGTATAGAAGATGCTGGGAATTGTCTTCCTCGCTCAGCCTCGGCTTCCCGCACTGTAAGATGAGGCA
GTTGCAGAGGAGGCCTCGGACGTCCTGTGACCCTCGGCCCACACTCCCCCTTGGGTGGCCCTGGCAGGGCT
GGCTAGGTGCGTTCCCTGCAGACCACGGGAAGCCCTGTGCTTGCCTGGGTCAGGGCTAAGCTGTGCGCCCT
AAGGAGGGAGGAGGACTGCAGATTCTTGGTCGAGAAGAATGAAGAGGATCTCTGTGTTTGCTGAGCAGCCA
TTGTGGAGGGTTACCCGCTCCACTTTCCCGTTGCCCATTCACTGGCACAGTCCTCTTCTCTGGTCGAACCT
ATGAGTCCAGCCTCACTGGCGGCTCAGAATGCTCAGGAGTGACGGGGACAGAGGGAGGCCGCTGAGTTGCC
CGTTAGAACTCTTACTGCTGCGCCAGTGACCCAGGTGGAGAGGGACCCTGAACCAAACAGAACG

Table3 5233

NNNNNNNNNNNNNNNNNNNNNNACTTCTAGCATTAATTACGCCAGCCACCATGCTAGGTAACAAG
CGACTGGGGCTGTCCGGACTGACCCTCGCCCTGTCCCTGCTCGTGTGCCTGGGTGCGCTGGCCGAGGCGTA
CCCCTCCAAGCCGGACAACCCGGGCGAGGACGCACCAGCGGAGGACATGGCCAGATACTACTCAGCGCTGC
GACACTACATCAACCTCATCACCAGGCAGAGATATGGAAAACGATCTAGCCCAGAGACACTGATTTCAGAC
CTCTTGATGAGAGAAAGCACAGAAAATGTTCCCAGAACTCGGCTTGAAGACCCTGCAATGTGGTGATGGGA
AATGAGACTTGCTCTCTGGCCTTTTCCTATTTTCAGCCCATATTTCATCGTGTAAAACGAGAATCCACCCA
TCCTACCAATGCATGCAGCCACTGTGCTGAATTCTGCAATGTTTTCCTTTGTCATCATTGTATATATGTGT
GTTTAAATAAAGTATCATGCATTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAATAGTCAGGATTATT
TTCGTTAAACTTATTATTAACAATTAGTCATTATAGTCTCCCTCAACTAGCAGATTCAGGGTTCGTTTCGC
TAATATTAAAACAGCGGCTATGAAAGATATGAAGATATGATTATTCATGATAACCAAGATCAGCTGTGTGG
TGTGTGTGTATGTGTGTAAAACATATAGATGCATTTGAAGATATTGATCAAAGGAATGCTAATTTGGGAAA
TTTTTCTGAGCTTTCCCCCCATTAACATTGGAACCCTTTTGCTAACCTTGTTAACCAGTGCTGTCAGCAGA
AGAACTTCCTGACTAACTAGAGCTTTCTGTGGAATGTCCTTTATCCCTCTGTCTAATACGGCAGCCACTAG
CCACATGTGGTTTTTGAGCCCCTGAATGTAGTAAGTGCAAATAAAGAGATGAGTTTTAAATTTTATTTAAT
TTTAATGAATTTTAACTTAAATGGCCATTAAGTCTCTAGTGGCTACCATATCAGACCGTTGAGGTCTATAC
ATCTATTTTGGTCACTACTGTTAGAATTTGAGTGAGAAATACAATGAGTGGGATGATTATCTTTTCATACA
ACATGGGGCATGTTAATTAATTTAGCTGAAATTTATTAAACTTCCTCCTTCATGT

Table3 5235

NNCACCTCTCACCATCTGCTCTGTGGCTCCCAGTGCTGACTCTGGAAGCTTTATCTTGGGTAAAA
GATGTNTGATCAGACCTTTCTCGTTAATGTATTTGGCTCATGTGACAAATGTTTCAAACAACGAGCTCTGA
GACCAGTTTTCAAGAAGTCTCAACAACTCAGCTACTGTTCAACATGCGCGAAGATGGCAACCGAGGGGCTG
CACGAGAACGAGACGCTGGCGTCGCTGAAGAGCGAGGCCGAGAGCCTCAAGGGCAAGCTGGAGGAGGAGCG
AGCCAAGCTGCACGATGTGGAGCTGCACCAGGTGGCGGAGCGGGTGGAGGCCCTGGGGCAGTTTGTCATGA
AGACCAGAAGGACCCTCAAAGGCCACGGGAACAAAGTCCTGTGCATGGACTGGTGCAAAGATAAGAGGAGG
ATCGTGAGCTCGTCACAGGATGGGAAGGTGATCGTGTGGGATTCCTTCACCACAAACAAGATCCTGACAGC
GAGCGGCGATGGCACATGTGCCCTGTGGGACGTGGAGAGCGGGCAGCTGCTGCAGAGCTTCCACGGACATG
GGGCTGACGTCCTCTGCTTGGACCTGGCCCCCTCAGAAACTGGAAACACCTTCGTGTCTGGGGGATGTGAC
AAGAAAGCCATGGTGTGGGACATGCGCTCCGGCCAGTGCGTGCAGGCCTTTGAAACACATGAATCTGACAT
CAACAGTGTCCGGTACTACCCCAGTGGAGATGCCTTTGCTTCAGGGTCAGATGACGCTACGTGTCGCCTCT
ATGACCTGCGGGCAGATAGGGAGGTTGCCATCTATTCCAAAGAAAGCATCATATTTGGAGCATCCAGCGTG
GACTTCTCCCTCAGTGGTCGCCTGCTGTTTGCTGGATACAATGATTACACTATCAACGTCTGGGATGTTCT
CAAAGGGTCCCGGGTCTCCATCCTGTTTGGACATGAAAACCGCGTTAGCACTCTACGAGTTTCCCCCGATG
GGACTGCTTTCTGCTCTGGATCATGGGATCATACCCTCAGAGTCTGGGCCTAATCATCTTCTGACAGTGCA
CTCATGTATACCTGAGAATTTGAAATCTTCACATGTAAATAGATATTACTTCTAGAGGAGCTTAGAGTTTA
TTGCAGTGTAGCTTAGGGGAGCAACCCATGGCTCACAGGTCACTAAGCGTCTCCAATATGACTATTAAAAC
TGTCACCTCTGGAAATACACTAGTGTGAGCCTTCAGCACTGCGAGAATACCTTCAAGTACAGTATTTTTCT
TTTGGAACACTTTTTAAAATGTATCTGTTTTTAAGGTTATTCTAAATTATAGTAGCCTCAACTCATTCTGT
CACCAGTAGAATTCAGCAGTTAATATATTCCATATTATTTCTTTGAATCAATTCATTTTCAGAGCACTTTA
AAGTCTGATATTTCTCGATGTGCACTGTGATGCCTGGAACCTTCCTCTGGAAGTGCTGATTTTATGGACTG

Table 6
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AGGACTGGTGACTGGTCTGTGATAGAAGCAAATTCCAATTCCAAATGTAATTAGACAAAAATCATTTTTTT
AGAATGTGTTTTTATTGTAAAAGTATCTTTTTCAGCTTCCTGTTCTATTGTCTTTTTTCAGATACAACATT
TTTGTCTATGGTGAACTGCTGTAAATGACGCAGAGAAATGCCTAAAAAGGACAGGTGGTTTGACTCATGGA
TGATGATGATGTCACTGTGCCACTTGGACAGGGCGTTTTCTCTGAATTGAAGGGAAAGCCAATGGTGTTTG
TAAACAAATGCTTCTGAGAGCAAAGAAAAGTCTTCTGTGTGGGAACACAAGATAGTAAACTTATTTAAAAA
CCTATTAGTAGAATTAGTGGAAACACTTAGGTTAAAGTGAATCTTGTCCATATAAATTATATTCATGGCCG
GGCGCGGTGGCTCACGCTTGTAATCCCAGCACTTTGGGAGGCCGAGGCGGGCGGATCACGAGGTCAGGAGT
TCGAGACCACGGTGAAACCCTGTCTCTACTAAAAAATACAAAAAATTAGCCGGGCGTGGTGGCGGGCGCCT
GTAGTCCCAGCTACTCGGAGAGGCTGAGGCAGGAGAATGGCGTGAACCCGGGAGGTGGAGCTTGCAGTGAG
CCGAGGTCGAGCCACTGCAGCCTGGGTGACAAAGCGAGACTCCGTCTCAAAAAAAAAAAAAAAAATTATAT
TCATATGTATTGCATTGCAATTATAATTACATATGCAGATTGATTGATAGTCATGAATAATAACGTCTGCT
CCTCTTACATAGAAAGAAAAACGATATTAAAAGAAGATCTTCTCTTTATTTGAGACTCAGAATTCCTTCTA
GAAGAAGGAAGTGCTTTTTGTTATAGGATCCCTTCTTTTCCTTTTTTTGTTTTTTTGTAAGATGTAGATGC
TTATTCTTTGCTTTAGAAAACTTCTCACTTAAAAAGATGGCATGCACCTAGGGGAATAAAAGGTCACCTCA
GACACCAGGTGTCATTCCTGGTGAGGCCTGCCTCGTCGGTGGCCTGGGGTCTGCCGGCAGGTTCTGGCTGC
ACCTGAAGGCTGCGTGCACCTTGTCCCCTGGACAGGTCTCCTTTCCTGGCCCTGCTCCAGCCCAGCCCTTC
TTCTAGTGGTAGCTCTGGCTTTGCAGGCCCAGCTCCAGGCCCTGCTCCTCAGAGAGACTCTTCCAGAGCTG
GAGCTGGGCACAGCCATAAGACAGGACTGGACCAGATGCTCCTGTAAACATCCAGGGGTGTGCCAGGCCCA
CCCTCACAACTGCTTGTTCAGGTATCGTGATGGGCCACTCGGTCCAAAATCAGCCAGGCCATCTTTTCCAT
CATCTCACTTCAAATAAACATAATAATTATATTTGATCATTTGCAGAAAACTTCACTGGCCGTCGTTTTAC
AACTTTGTGACTTGTCCTTGGCGTTACCCAACTTATTCGCCTTGCAGACATCCCCCTTTTGCCGCTGGCGT
AATAGCNN

Table3 5237

atagGAGTcacCACGCGTCCGGGCGGCACAGGGCCGAGGCGTAGTGTGGGTGACTCCTCCGTTCC
TTGGGTCCCGTCGTCTGTGATACTGCAGTGCAGCCATGGCAGAACCGCAGCCCCCGTCCGGCGGCCTCACG
GACGAGGCCGCCCTCAGTTGCTGCTCCGACGCGGACCCCAGTACCAAGGATTTTCTATTGCAGCAGACCAT
GCTACGAGTGAAGGATCCTAAGAAGTCACTGGATTTTTATACTAGAGTTCTTGGAATGACGCTAATCCAAA
AATGTGATTTTCCCATTATGAAGTTTTCACTCTACTTCTTGGCTTATGAGGATAAAAATGACATCCCTAAA
GAAAAAGATGAAAAAATAGCCTGGGCGCTCTCCAGAAAAGCTACACTTGAGCTGACACACAATTGGGGCAC
TGAAGATGATGCGACCCAGAGTTACCACAATGGCAATTCAGACCCTCGAGGATTCGGTCATATTGGAATTG
CTGTTCCTGATGTATACAGTGCTTGTAAAAGGTTTGAAGAACTGGGAGTCAAATTTGTGAAGAAACCTGAT
GATGGTAAAATGAAAGGCCTGGCATTTATTCAAGATCCTGATGGCTACTGGATTGAAATTTTGAATCCTAA
CAAAATGGCAACCTTAATGTAGTGCTGTGAGAATTCTCCTTTGAGATTTCAGAAGAAAGGAAACAATGTGA
TTCAAGATATTTACATACCAGAAGCATCTAGGACTGATGGATCACTGTCCCGATTCAAATTATTCTTCAGT
CCATTTCCCCTTCCTATTTCAGCTGTTCCTTTTCACCTAACTGTTCAGTCATTCTGGTTTTCAAGCAGTGC
TTTATCTCATGTCCTTGAATATAGTTGTGTAACTTTATTTTTTAGGTAATAATTAGAACAGTTCCCTTCAG
AGGCTGCATTTGCCTTCTTCTGCCACCTAAATATTACTTCCCTTCAAATCTGCCTTTGAATCATCATTTTT
AAAAAAAAATTAACATGTTTTTGTTGTAGTTATCTTCTGGGGTTTCAATTCCTCAGAAACAACTTTTTTCA
CAACGGAAAGGAAAGAACACTAGTGTTCTTTCAGTAAAGTACAAAGTGTTTATTTTACAAAAGAGTAGGTA
CTCTTGAGAGCAATTCAAATCATGCTGACAAGGATACTGATAGAAAAAGTGATTTCTTCTTATTATAAAGT
ACATTTAAAGTTCAAGGACTAACCTTATTTATTTGGGAAAGGGGAGGAGGAAGGAAATGATATGGTACCCA
GACACTGGGCTAGGCTGCAACTTTATCTCATTTAATACTCCCAGCTGTCATGTGAGAAAGAAAGCAGGCTA
GGCATGTGAAATCACTTTCATGGATTATTAATGGATTTAAGAGGGCATCAATCAGCTCAACTCAAGATTTC
ATAATCATTTTTAGTATTTAGATTGTGCCTCAAAGTTGTAGTACCTCACAATACCTCCACTGGTTTCCTGT
TGTAAAAACCTTCAGTGAGTTTGACCATTGTGCTCTTGGCTCTTGGGCTGGAGTACCGTGGTGAGGGAGTA
AACACTAGAAGTCTTTAGTACAAAACTGCTCTAGGGACACCTGGTGATTCCTACACAAGTGATGTTTATAT
TTCTCATAAAGAGTCTTCCCTATCCCAAGGTCTTCATGATGCCAGTAGCCATATATGATAAATTATGTTCA
GTGATAACTTAGTTATCAGAAATCAGCTCAGTGGTCTTCCCCGCCATGATTCACATTTGATGAGTTTTTAA
AAATCAAAGTGATTTTGAAAATCTCTAATGGCTCAGAAAATAAAAACATCCAGTTTGTGGATGACTATATT
TAGATTTCTCTAGACTCTAGTGGAAGACCTTTGGAAAGGCCATGCCAACCGTGCTTGTACTGCTAGAAGCA
CTTTATGTTTCCTTTTTGGGTGAAATGGATTTATGTGAGTGCTTTAAACAAATAGCAATACTTATAGACTG
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aaaaaaaaaaacaacaaacaaaaaaaacaaaaaaaaaaaaacaaaagaagaagaaagaagaaaaaaaaaaa
aaaaagacacacaaccaacacacacacagaacaaaccagcaaaagaggggcgggcgagaacgacacaaca
caccccgggggaagccaaccaacgcacgacaaccaccaagctgaagagcaagcggagagaacagaaaaaa
gaggagaaacaaaacacacacgacaccgagcgcgaaatcacaaaacagcagcagacagagaaacgaacaag
cgcgtacataagcgagaagaaaaccctcggaggggcaggaaagagggcaccgcaaaagagaagaagacgcg
aga

Table3 5239

GCGTCCGATCCGGCATACAGAATACAGCCACGCTTCTCAAAGAATTGCTTTCTTGGAAAGTTTTG
AGCACAGAAGACTATACAACCTGTTTTTCTAGCAGAAATTTTCTAAATGAAGCAGTGGACTATGTTATTCG
CCACTTGATTCAAGAAAATAACAGAGTAAAGACAAGAATATTTCTGCATGTTTTGAGTGAGCTTAAAGAAG
TGGAGCCCAAATTAGCCGCCTGGATCCAAAAACTTAATAGCTTTGGCTTAGATGCCACAGGAACTTTCTTT
TCTCGTTATGGAGCATCTCTTAAACTGCTTGATTTTAGTATCATGACTTTCCTCTGGAATGAGAAATATGG

Table 6
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TCACAAACTAGACTCTATAGAAGGAAAGCAACTTGATTATTTCTCTGAGCCAGCATCATTGAAGGAAGCCC
GTTGTTTAATATGGCTGCTAGAAGAACACAGAGACAAGTTCCCAGCATTGCATAGTGCTTTAGATGAATTC
TTTGATATAATGGATATTTTCACAGCATCATGGGAAAGATTGCATGTTACACTGACAGAATCTATTAACAG
CCGCTGTACTGTGTTAAGGAAACAAGATAGTGGTGAAGCACCGTTTAGTTCAACCAAGGTGAAAAACAAAA
GCAAGAAAAAGAAGCCAAAGGATTCAAAGCCTATGTTAGTTGGGTCTGGAACAACTTCAGTAACTTCAAAT
AATGAGATCATCACTTCAAGTGAAGACCATAGCAATCGAAATTCAGATTCTGCAGGCCCATTTGCAGTGCC
TGACCATCTTCGGCAAGATGTAGAAGAATTCGAAGCTCTCTATGACCAACACAGTAACGAATATGTTGTCC
GCAATAAGAAGCTATGGGACATGAACCCAAAACAAAAATGTTCAACTCTATATGATTACTTCTCTCAGTTT
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AACTCGACAGATACTAGAAAAAGCAGGAGGTTTAAAACCTTTTCTCTTGGGATGCCCTCGTTTTGTTGTGA
TTGACAACTGTATTGCACTGAAGAAGGTTGCATCACGGCTCAAGAAAAAAAGGAAGAAGAAAAACATTAAA
ACAAAAGTAGAAGAAATTTCAAAAGCAGGGGAGTATGTACGAGTTAAACTACAACTGAATCCAGCTGCTAG
GGAATTTAAACCAGATGTAAAGTCTAAACCAGTGTCAGATTCATCTTCAGCACCAGCTTTTGAAAATGTGA
AACCCAAACCTGTGTCTGCAAATTCTCCCAAGCCAGCTTGTGAAGATGTGAAGGCCAAACCAGTATCCGAC
AATTCTTCTAGACAAGTTTCTGAGGATGGGCAACCCAAAGGGGTCTCTTCTAATTCTCCTAAACCAGGCTC
TGAGGATGCAAATTACAAGCGAGTCTCCTGTAATTCCCCCAAACCGGTTCTTGAGGATGTGAAACCAACTT
ATTGGGCTCAATCCCATTTGGTCACAGGATACTGTACGTATCTTCCTTTCCAGAGATTTGATATCACCCAG
ACACCGCCAGCATACATAAACGTGTTACCAGGTTTGCCCCAGTACACCAGCATATATACACCCTTGGCCAG
CCTTTCTCCTGAATATCAGCTACCAAGATCAGTACCAGTGGTGCCGTCTTTTGTAGCCAATGACAGAGCAG
ATAAAAATGCTGCTGCCTATTTTGAGGGTCATCATTTGAATGCTGAGAATGTTGCTGGTCACCAGATTGCC
TCTGAAACACAGATCCTTGAGGGCTCTTTGGGAATATCTGTAAAGTCACACTGCAGCACAGGTGATGCTCA
TACAGTCCTGAGTGAGTCTAACAGAAATGATGAGCACTGTGGAAATTCTAACAACAAATGTGAAGTAATTC
CAGAAAGCACCAGTGCAGTAACAAACATTCCACACGTGCAGATGGTTGCCATACAGGTATCTTGGAACATA
ATACACCAAGAAGTCAATACTGAGCCATATAATCCTTTTGAGGAACGACAAGGGGAAATTTCACGGATTGA
AAAGGAGCACCAAGTATTACAAGACCAACTTCAAGAAGTGTATGAAAATTATGAGCAGATAAAACTTAAGG
GCTTAGAAGAGACCAGGGACCTGGAAGAGAAGTTGAAAAGGCACTTAGAAGAAAACAAGATCTCAAAGACG
GAATTAGATTGGTTCCTTCAAGATTTGGAAAGAGAAATTAAAAAATGGCAACAGGAAAAAAAAGAAATCCA
AGAAAGACTAAAATCACTGAAGAAGAAAATTAAAAAGGTTTCAAATGCCAGTGAAATGTATACCCAGAAAA
ATGATGGAAAGGAAAAGGAACATGAATTACATCTGGATCAGTCCCTTGAAATCAGCAACACACTTACAAAT
GAGAAAATGAAAATAGAAGAGTATATAAAGAAAGGGAAAGAGGATTATGAAGAGAGTCATCAGAGAGCTGT
GGCTGCAGAGGTATCCGTACTTGAAAACTGGAAGGAGAGTGAAGTGTATAAGCTACAGATCATGGAGTCAC
AAGCAGAAGCCTTTCTGAAGAAGCTGGGGCTGATTAGCCGTGATCCTGCAGCATATCCTGACATGGAGTCT
GATATACGTTCATGGGAATTGTTTCTTTCTAATGTTACAAAAGAAATTGAGAAAGCAAAATCTCAGTTTGA
AGAACAAATTAAGGCAATTAAAAATGGTTCTCGGCTCAGTGAACTTTCTAAAGTGCAGATTTCTGAGCTTT
CATTTCCTGCCTGTAACACGGTTCATCCCGAGTTACTCCCTGAGTCTTCAGGCCACGATGGCCAAGGGCTT
GTGACTTCTGCAAGCGACGTGACTGGAAACCACGCAGCACTTCACAGGGATCCTAGTGTGTTCTCTGCTGG
TGATTCCCCAGGGGAGGCTCCTTCTGCGCTGTTGCCAGGGCCACCCCCTGGTCAGCCTGAAGCCACTCAGC
TGACAGGGCCAAAACGGGCTGGCCAGGCAGCTCTGTCAGAACGAAGCCCTGTGGCTGATCGGAAGCAGCCT
GTTCCTCCAGGACGTGCTGCGCGTTCAAGCCAGTCTCCAAAAAAGCCGTTCAATAGTATTATTGAGCACCT
GTCAGTGGTATTCCCATGTTACAACAGCACTGAGCTTGCTGGTTTTATTAAAAAAGTGCGAAGCAAAAACA
AGAACTCACTCTCAGGATTGAGTATTGATGAAATTGTCCAAAGAGTGACAGAACACATTCTAGATGAACAG
AAAAAGAAAAAGCCAAACCCAGGAAAGGACAAGAGGACTTATGAGCCCAGCTCTGCCACCCCCGTGACCAG
GTCCTCCCAGGGCTCACCCTCGGTGGTTGTTTGCACCATCACCCAAAACCAAGGGGCAGAAAGCAGAAGAT
GTCCCTGTGAGGATTGCACTGGGTGCAAGTTCCTGTGAAATATGCCACGAGGTGTTCAAATCAAAAAACGT
GCGTGTGCTCAAaaTGTGGgcacacgcattcacaaagggtgcTTTAaggcagtggcttcaaggcagagcgc
ttgcccggcTGCAGGgtccgtgatctcctgcacagaagagtcccttctgggacgaagctggccccagtcca
gatccagaagtggcttcctggtcttcctaggtcgtcccacttccctacagggtcctccaccaggtgttgaa
tcgcaaatgaccgcttttctcccccggtcttcacacatcgagaccttgtctttgtcgtccacgccaacagc
acacgcatacggacatagtcttccctccgagaactcgcgtggcaggtcacagcgccaccagac
Table3 5240
TTTTTTTTTTTTTTTTTCGTTCAAACTGTCATTTTATTTTTACGTTGTTAGATATGGGGAGTAGTG
TGATTGAGGTGGAGTAGGCGCGAGCTAAGCAGGAGGCGGAGGCGGAGGGCGAGGGGCGGGGAGCG
CCGCCTGGAGCGCGGCAGGTCATATTGAACATTCCAGATACCTATCATTACTCGATGCTGTTGATAACAGC
AAGATGGCTTTGAACTCAGGGTCACCACCAGCTATTGGACCTTACTATGAAAACCATGGATACCAACCGGA
AAACCCCTATCCCGCACAGCCCACTGTGGTCCCCACTGTCTACGAGGTGCATCCGGCTCAGTACTACCCGT
CCCCCGTGCCCCAGTACGCCCCGAGGGTCCTGACGCAGGCTTCCAACCCCGTCGTCTGCACGCAGCCCAAA
TCCCCATCCGGGACGGTGTGCACCTCAAAGACTAAGAAAGCACTGTGCATCACCTTGACCCTGGGGACCTT
CCTCGTGGGAGCTGCGCTGGCCGCTGGCCTACTCTGGAAGTTCATGGGCAGCAAGTGCTCCAACTCTGGGA
TAGAGTGCGACTCCTCAGGTACCTGCATCAACCCCTCTAACTGGTGTGATGGCGTGTCACACTGCCCCGGC
GGGGAGGACGAGAATCGGTGTGTTCGCCTCTACGGATCAAACTTCATCCTTCAGGTGTACTCATCTCAGAG
GAAGTCCTGGCACCCTGTGTGCCAAGACGACTGGAACGAGAACTACGGGCGGGCGGCCTGCAGGGACATGG
GCTATAAGAATAATTTTTACTCTAGCCAAGGAATAGTGGATGACAGCGGATCCACCAGCTTTATGAAACTG
AACACAAGTGCCGGCAATGTCGATATCTATAAAAAACTGTACCACAGTGATGCCTGTTCTTCAAAAGCAGT
GGTTTCTTTACGCTGTATAGCCTGCGGGGTCAACTTGAACTCAAGCCGCCAGAGCAGGATTGTGGGCGGCG

Table 6
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AGAGCGCGCTCCCGGGGGCCTGGCCCTGGCAGGTCAGCCTGCACGTCCAGAACGTCCACGTGTGCGGAGGC
TCCATCATCACCCCCGAGTGGATCGTGACAGCCGCCCACTGCGTGGAAAAACCTCTTAACAATCCATGGCA
TTGGACGGCATTTGCGGGGATTTTGAGACAATCTTTCATGTTCTATGGAGCCGGATACCAAGTAGAAAAAG
TGATTTCTCATCCAAATTATGACTCCAAGACCAAGAACAATGACATTGCGCTGATGAAGCTGCAGAAGCCT
CTGACTTTCAACGACCTAGTGAAACCAGTGTGTCTGCCCAACCCAGGCATGATGCTGCAGCCAGAACAGCT
CTGCTGGATTTCCGGGTGGGGGGCCACCGAGGAGAAAGGGAAGACCTCAGAAGTGCTGAACGCTGCCAAGG
TGCTTCTCATTGAGACACAGAGATGCAACAGCAGATATGTCTATGACAACCTGATCACACCAGCCATGATC
TGTGCCGGCTTCCTGCAGGGGAACGTCGATTCTTGCCAGGGTGACAGTGGAGGGCCTCTGGTCACTTCGAA
GAACAATATCTGGTGGCTGATAGGGGATACAAGCTGGGGTTCTGGCTGTGCCAAAGCTTACAGACCAGGAG
TGTACGGGAATGTGATGGTATTCACGGACTGGATTTATCGACAAATGAGGGCAGACGGCTAATCCACATGG
TCTTCGTCCTTGACGTCGTTTTACAAGAAAACAATGGGGCTGGTTTTGCTTCCCCGTGCATGATTTACTCT
TAGAGATGATTCAGAGGTCACTTCATTTTTATTAAACAGTGAACTTGTCTGGCTTTGGCACTCTCTGCCAT
TCTGTGCAGGCTGCAGTGGCTCCCCTGCCCAGCCTGCTCTCCCTAACCCCTTGTCCGCAAGGGGTGATGGC
CGGCTGGTTGTGGGCACTGGCGGTCAAGTGTGGAGGAGAGGGGTGGAGGCTGCCCCATTGAGATCTTCCTG
CTGAGTCCTTTCCAGGGGCCAATTTTGGATGAGCATGGAGCTGTCACCTCTCAGCTGCTGGATGACTTGAG
ATGAAAAAGGAGAGACATGGAAAGGGAGACAGCCAGGTGGCACCTGCAGCGGCTGCCCTCTGGGGCCACTT
GGTAGTGTCCCCAGCCTACCTCTCCACAAGGGGATTTTGCTGATGGGTTCTTAGAGCCTTAGCAGCCCTGG
ATGGTGGCCAGAAATAAAGGGACCAGCCCTTCATGGGTGGTGACGTGGTAGTCACTTGTAAGGGGAACAGA
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TTCCTCCTCATCCTCCCTGACCCTGCTCCTAGCACCCTGGAGAGTGCACATGCCCCTTGGTCCTGGCAGGG
CGCCAAGTCTGGCACCATGTTGGCCTCTTCAGGCCTGCTAGTCACTGGAAATTGAGGTCCATGGGGGAAAT
CAAGGATGCTCAGTTTAAGGTACACTGTTTCCATGTTATGTTTCTACACATTGCTACCTCAGTGCTCCTGG
AAACTTAGCTTTTGATGTCTCCAAGTAGTCCACCTTCATTTAACTCTTTGAAACTGTATCATCTTTGCCAA
GTAAGAGTGGTGGCCTATTTCAGCTGCTTTGACAAAATGACTGGCTCCTGACTTAACGTTCTATAAATGAA
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TCCCTTCCAATGCTGTGGGTTTCCAACCAGGGGAAGGGTCCCTTTTGCATTGCCAAGTGCCATAACCATGA
GCACTACTCTACCATGGTTCTGCCTCCTGGCCAAGCAGGCTGGTTTGCAAGAATGAAATGAATGATTCTAC
AGCTAGGACTTAACCTTGAAATGGAAAGTCTTGCAATCCCATTTGCAGGATCCGTCTGTGCACATGCCTCT
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TGTCTTTTTTTGTATCTTTTTTAAACTGTAAAGTTCAATTGTGAAAATGAATATCATGCAAATAAATTATG
CGATTTTTTTTTCAAAGTAAccactgcatctttgaagttctgcctggtgagtaggaccagcctccatttcc
ttataaggggtgatgttgaggctgctggtcagaggaccaaaggtgaggcaaggccgacttggtgctcctg
tggttggtgccctcagttcctgcagcctgtcctgttggagaggtccctcaaatgactccttcttattattc
tattagtctg

Table3 5241

ACGCGGGGCTCCCTTCTTCCGAGCCTCTCCTCTGGCCGCCGCGCGGGAGAGAGGCCGAGATGGCA
GATGAGATTGCCAAGGCTCAGGTCGCTCGGCCTGGTGGCGACACGATCTTTGGGAAGATCATCCGCAAGGA
AATACCAGCCAAAATCATTTTTGAGGATGAACCGGGGCCTTGCTTTCCATGACATTTCCCCTCAAGCACCA
ACACATTTTCTGGTGATACCCAAGAAACATATATCCCAGATTTCTGTGGCAGAAGATGATGATGAAAGTCT
TCTTGGACACTTAATGATTGTTGGCAAGAAATGTGCTGCTGATCTGGGCCTGAATAAGGGTTATCGAATGG
TGGTGAATGAAGGTTCAGATGGTGGACAGTCTGTCTATCACGTTCATCTCCATGTTCTTGGAGGTCGGCAA
ATGCATTGGCCTCCTGGTTAAGCACGTTTTGGGGANN

Table3 5244

ACGCGGGGCCCAAACTCACCACCTGGCCGTGGACACCTGTGTCAGCATGTGGGACCTGGTTCTCT
CCATCGCCTTGTCTGTGGGGTGCACTGGAATAGCCAGGTCTGGCTGGGTCGGCACAACCTGTTTGAGCCTG
AAGACACAGGCCAGAGGGTCCCTGTCAGCCACAGCTTCCCACACCCGCTCTACAATATGAGCCTTCTGAAG
CATCAAAGCCTTAGACCAGATGAAGACTCCAGCCATGACCTCATGCTGCTTCGCCTGTCAGAGCCTGCCAA
GATCACAGATGTTGTGAAGGTCCTGGGCCTGCCCACCCAGGAGCCAGCACTGGGGACCACCTGCTACGCCT
caggCTGGGGCAGCATCGAACCaagaGGgagtgagtctcacgtggttgtgacgcctccatctccttgtcca
aatgacatgtgttgctagacgcttactcctgagcaaggtgaccagcagtcattgtttgttgtgctgcgctc
tgcaccggtggtaccacgacacttgtgggggtgatcctgggggtccccttgtctgtactggtgtgctcc
aggtatcacatccttggggccttgagcatgtgcctgctggaatagcttgttgtgtccccaaggtggtggca
ttactggacgtggatcaggaccacatcgaggcaagccctgtagtgcctgtccaccctacctctattaattt
acgcccctcacttccggataactggcttctggttggtggcacctgatgtggacacggcgaagtagcctggg
catatggtggtcgggggcagggagaaaggggacaccggtgcatgccaagaatcgcactggcaggtgtaacc
ctgtggcccacggcctgtggacaggccccgagagaccaaagcaagaga

Table3 5245

AGCTCCACCGCGGTGGCCGGCCGCCCGGGCAGGTACAACCAGTGCGAGAAGAAGAACGCCCTGGC
CCAATATCAGGAGATGGAGAAGAAAGTCAGCCTACTCAAGGACAATAGCTCTCTGGAATTTGACTCCCCTC
AGGTGCTGGAGGAACATCCCAGTTCACAAAGCCCCCATCTCTTCCTCTGGAGCCAGAGCCTGCGGTGGAAT
CAAGTCCAACTGAAACATCAGAACAAATAAGAGAGAAATAAGAATAGAATGAATGACCCCAAAATAGGGTT
TTCTTGGGCGAGGATGTGCTGGATTAGGAAAGGTGACATGACACAGGCAGAGCAGAGTGGCACCCACCACA

Table 6
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GAATACAGTGTGTGTTATTACGAGGAGCCAGCAGTTGAGCCTAAGGTCCTTCTACCTACCTGGTATTGGCA
TTTGAGGTCGGAAACCCTCTACTGCCCCATAAGCCAGGAAAAGTGAAAAGAGAACACAGTTCCTTTAAGAA
CTGGCAGCAAGGCTTGAGGCCTTATGTATGTAGCTGAGTCAGCAAGGTACATGATGCTGTCTGCTTTCAAA
AGGACTTTTCTCTCCTAGCTGACTGACTCCTTCCTTAGTTCAAGGAACAGCTGAGACAGACCTCTGCTGAG
TAGCTCTGTGATGACAAAGCCTTGGTTTAACTGAGGTGATCCTCAGGTTGTGAGGTTTATTAGTCCCCAAG
GCAAACACAAATATTAGATTAATAATCCAACTTTAATAGTATACATTTAAAAGAAAAAAAACAAAAGCCCT
GGAAGTTGAGGCCAAGCCTGCTGAGTATTGCAGCTGCATTTGCCCAAAGGGAATCCAGAACAAGTCCCTCC
CTGTATTTTGTTCTTGAGAGGGGTCAGTCTAGAAGCTAGATCCTATCAGGATGAGGAGCAGCAGCCCAGGG
CTTGTCTGGATCAGCACCAACGATTTTAAAGAAAAAAGGAAGAGTTTCTTAGATGAGTAATTGTTATTGAA
GATAGTCAGTGATAACCACTGACCAGATGCTATCAATACACTATGTGTCCTTTTTAGAATAAAGATTACAT
ATCATCATTCCTTTGGGGAAAATTGTTATTCAGGTATAAAAACAAGAGATCATAATAAAAACCTAAAAGAA
CCTATGAAAAAAAAAAAAAAAAAAAGTTGGACCTTGGCCCCTGGGGGACCCCCATTGCCCCTATAGGGGGA
GCTTTTACCCCCCCCCCTGGGCCGGTGGTTACACAAGCTGGAAAAAAAAAAAATTCTTCTTTGTGAAGGGC
CTTCTTTTTGTTTTAAACCAGAANNNNNN
Table3 5249
TATAGGGAGTCGACCCACGCGTCCGCCACGCCTCCCTATAAGACAAAGCGCGGCCGACGGGCTCC
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GCCCCGGGCGACCCGCGGCAACCCCACCGCCCCGACCCCGGCCGCCCAGTGGGCCTGGAGCAGCTGCGGCG
GCTCGGGGTGCTCTACTGGAAGCTGGATGCTGACAAATATGAGAATGATCCAGAATTAGAAAAGATCCGAA
GAGAGAGGAACTACTCCTGGATGGACATCATAACCATATGCAAAGATAAACTACCAAATTATGAAGAAAAG
ATTAAGATGTTCTACGAGGAGCATTTGCACTTGGACGATGAGATCCGCTACATCCTGGATGGCAGTGGGTA
CTTCGATGTGAGGGACAAGGAGGACCAGTGGATCCGGATCTTCATGGAGAAGGGAGACATGGTGACGCTCC
CCGCGGGGATCTATCACCGCTTCACGGTGGACGAGAAGAACTACACGAAGGCCATGCGGCTGTTTGTGGGA
GAACCGGTGTGGACAGCGTACAACCGGCCCGCTGACCATTTTGAAGCCCGCGGGCAGTACGTGAAATTTCT
GGCACAGACCGCCTAGCAGTGCTGCCTGGGAACTAACACGTGCCTCGTAAAGGTCCCCAATGTAATGACTG
AGCAGAAAATCAATCACTTTCTCTTTGCTTTTAGAGGATAGCCTTGAGGCTAGATTATCTTTCCTTTGTAA
GATTATTTGATCAGAATATTTTGTAATGAAAGGATCTAGAAAGCAACTTGGAAGTGTAAAGAGTCACCTTC
ATTTTCTGTAACTCAATCAAGACTGGTGGGTCCATGGCCCTGTGTTAGTTCATGCATTCAGTTGAGTCCCA
AATGAAAGTTTCATCTCCCGAAATGCAGTTCCTTAGATGCCCATCTGGACGTGATGCCGCGCCTGCCGTGT
AAGAAGGTGCAATCCTAGATAACACAGCTAGCCAGATAGAAGACACTTTTTTCTCCAAAATGATGCCTTGG
GGTGGGGAGTGGTAGGGGGAAGAGCTCCCACCCTAAGGGGCACACACTGAGTTGCTTATGCCACTTCCTTG
TTCAAAATAAAGTAACTGCCTTAATCTTATACTCATGGCTTGGAGTTACCTTATATTCAGGTATATGTGAT
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TATATGAGCTGTGTTAGTATTTTTTCAGTGTGAGATCTCTGGATTCTTTCACAATAAAGCTGTTGAATTTT
AACAGGAGTATTAGTACATAAATTTTCTACTCAACAATTCCGAGATAGGATTATGCCTAGTTTGTCATATC
ACAGAAAAACTCCAAGTTAACTTCATGTTTTGGAAGGGCAGGTCGTTTTTAAAGTATTTCTTTTTTTAACT
GGATGAAAAATCTTCATGTTAGGATTAATTTTCTTAATCACCTCCACACTGTACAGAGGAAACTCAAGCCT
TAAATGTTTAAGTAAACTCTGTCTCAGTTTTAGGATTAAAATACCCACCGGTGGTGTGATGATGCCATATA
CCGCAGGGCTTGCTTCTGTCAAGTGTGACTCTATCTCAGTAATTAAAATAAGTGCTGATCTACTTGATTTT
TTTTTAAATGGAATTCATTTCTAAAATGGGCATTTATAAATATGAGCNNNNNNNNNNNNNNNN
Table3 5251
NGAGTCGACCCACGCGTCCGGGGAGCCGGACTCGGGAAGGTGGCTGCGTTCGGGTTGCTAACGTC
TTCCCTTGGAGATGGGCGCGCAAACCAACCAGTGGGTCTGGGGGCGGGGGTGATGGGCGTGGAGCTGGCCC
AATGAGGGTAGGGGTGGGTGGGGCAGCCCCGAGCAGCAGTGCTAAAGGAGCCCGGCGGAGGCAGCGGTGGG
TTTGGGCCTGAGGCGCTGGATCTGTGGTCGCGGCTGGGGACGTGCGCCCGCGCCACCATCTTCGGCTGAAG
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TCTTTGTGGACAGGGCTGTCATCTACAACCCTGCCACTCAAGCTGATTGGACAGCTAAAAAGCTAGTGTGG
ATTCCATCAGAACGCCATGGTTTTGAGGCAGCTAGTATCAAAGAAGAACGGGGAGATGAAGTTATGGTGGA
GTTGGCAGAGAATGGAAAGAAAGCAATGGTCAACAAAGATGATATTCAGAAGATGAACCCACCTAAGTTTT
CCAAGGTGGAGGATATGGCAGAATTGACATGCTTGAATGAAGCTTCCGTTTTACATAATCTGAAGGATCGC
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AATTTACTCTGAGAATATTATTGAAATGTACAGAGGGAAGAAGCGTCATGAGATGCCTCCACACATCTATG
CTATATCTGAATCTGCTTACAGATGCATGCTTCAAGATCGTGAGGACCAGTCAATTCTTTGCACGGGTGAG
TCAGGTGCTGGGAAGACAGAAAATACAAAGAAAGTTATTCAGTACCTTGCCCATGTTGCTTCTTCACATAA
AGGAAGAAAGGACCATAATATTCCTGGGGAACTTGAACGGCAGCTTTTGCAAGCAAATCCAATTCTGGAAT
CATTTGGAAATGCGAAGACTGTGAAAAATGATAACTCATCTCGTTTTGGCAAATTTATTCGGATCAACTTT
GATGTAACTGGCTATATCGTTGGGGCCAACATTGAAACATACCTTCTGGAAAAGTCTCGTGCTGTTCGTCA
AGCAAAAGATGAACGTACTTTTCATATCTTTTACCAGTTGTTATCTGGAGCAGGAGAACACCTAAAGTCTG
ATTTGCTTCTTGAAGGATTTAATAACTACAGGTTTCTCTCCAATGGCTATATTCCTATTCCGGGACAGCAA
GACAAAGATAATTTCCAGGAGACCATGGAAGCAATGCACATAATGGGCTTCTCCCATGAAGAGATTCTGTC
AATGCTTAAAGTAGTATCTTCAGTGCTACAGTTTGGAAATATTTCTTTCAAAAAGGAGAGAAATACTGATC
AAGCTTCCATGCCAGAAAATACAGTTGCGCAGAAGCTCTGCCATCTTCTTGGGATGAATGTGATGGAGTTT
ACTCGGGCCATCCTGACTCCCCGGATCAAGGTCGGCCGAGACTATGTGCAAAAAGCCCAGACCAAAGAACA
GGCAGATTTTGCAGTAGAAGCATTGGCAAAAGCTACCTATGAGCGGCTCTTTCGCTGGCTCGTTCATCGCA

Table 6
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TCAATAAAGCTCTGGATAGGACCAAACGTCAGGGAGCATCTTTCATTGGAATCCTGGATATTGCTGGATTT
GAAATTTTTGAGCTGAACTCCTTTGAACAACTTTGCATCAACTACACCAATGAGAAGCTGCAGCAGCTGTT
CAACCACACCATGTTTATCCTAGAACAAGAGGAATACCAGCGCGAAGGCATCGAGTGGAACTTCATCGATT
TCGGGCTGGATCTGCAGCCATGCATCGACCTAATAGAGAGACCTGCGAACCCTCCTGGTGTACTGGCCCTT
TTGGATGAAGAATGCTGGTTCCCTAAAGCCACAGATAAAACCTTTGTTGAAAAACTGGTTCAAGAGCAAGG
TTCCCACTCCAAGTTTCAGAAACCTCGACAATTAAAAGACAAAGCTGATTTTTGCATTATACATTATGCAG
GGAAGGTGGACTATAAGGCAGATGAGTGGCTGATGAAGAATATGGACCCCCTGAATGACAACGTGGCCACC
CTTTATACCGCTACGTACGAGACCCCCGTGGCAGATCTTTGGAAAGATGTGGACCGTATCGTGGGTCTGGA
TCAAGTCACTGGTATGACTGAGACAGCTTTTGGCTCCGCATATAAAACCAAGAAGGGCATGTTTCGTACCG
TTGGGCAACTCTACAAAGAATCTCTCACCAAGCTGATGGCAACTCTCCGAAACACCAACCCTAACTTTGTT
CGTTGTATCATTCCAAATCACGAGAAGAGGGCTGGAAAATTGGATCCACACCTAGTCCTAGATCAGCTTCG
CTGTAATGGTGTCCTGGAAGGGATCCGAATCTGTCGCCAGGGCTTCCCTAACCGAATAGTTTTCCAGGAAT
TCAGACAGAGATATGAGATCCTAACTCCAAATGCTATTCCTAAAGGTTTTATGGATGGTAAACAGGCCTGT
GAACGAATGATCCGGGCTTTAGAATTGGACCCAAACTTGTACAGAATTGGACAGAGCAAGATATTTTTCAG
AGCTGGAGTTCTGGCACACTTAGAGGAAGAAAGAGATTTAAAAATCACCGATATCATTATCTTCTTCCAGG
CCGTTTGCAGAGGTTACCTGGCCAGAAAGGCCTTTGCCAAGAAGCAGCAGCAACTAAGTGCCTTAAAGGTC
TTGCAGCGGAACTGTGCCGCGTACCTGAAATTACGGCACTGGCAGTGGTGGCGAGTCTTCACAAAGGTGAA
GCCGCTTCTACAAGTGACTCGCCAGGAGGAAGAACTTCAGGCCAAAGATGAAGAGCTGTTGAAGGTGACGG
AAAGCAGACACCGGTGGCAAGGAGACCTGGACGACATTGAGCGGAAGCACCCAGCAGGCTTCACGACGCAC
ACAGACATATCCTTGCACGAAGCCACTACCAGACAAAAACGGAACCCCTGGATGAACCCAAAGACGATCAC
AGGCACGCCTCGCCCGCTAACACACCACACCTAACAACAATCCCACATGACCGCACCCTCGAGNNN
Table3 5252
ATCGAGACCATCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAAATTGGCCAG
GCGTGGTGGCGGGTGCCTGTACTCCCAGCTACTCGGGAGGCTGAGGCAAGAGAATGGCATGAACCCAGGAG
GCGGAGCTTGCAGTGAGCTGAGATCGCGCCACTGCACTCCTGCCTGGGTGACAGAGTGAGACTCCATCTCA
AAAAAAAAAAACAAAAACAACAACAACAACAAAAAACAACCAGAGAAATAGCACTTGTTAACTACAAT
TGTGACTCTAGGTAAACTTGGGCCTTAATATGGTTAGACAAGAAGGGTTTTAGGTAACTTGCCTTTTTAGA
TCCTATTTAGGCTTATTAGTCTATATTCTACATTCTTGCACGATGGAAATTACTAGAGAAGTGGGATAATT
CTTTGTTGTGGGGAAAATAAAATTTGTTGTGAAAATATACTGTATTTTAAAATATTTAGAAAGATTATAAA
TAACTGGAGAAAAGATAATTTCATATACTAATATGATGGAATTAGCCTAGCAGATGTTAAAAATCCTTTCT
GAAAATTATAATCTAAAATTATTTGGGAAATTACAATGGAACTGAATAATCTGTACGTTGGTATATTAAAG
CCATTTTTATATTGTGAAAATAACTACTTTACATGTATCCACTAAGATCCAGGAAAATGGGCATTGGTTCT
GAATTGAGAAAATATTAAAAGAGAN
Table3 5253
CGAGCGGCCGCCCCGGGCAGGTCTCGGAGCGGGCGGCGGCGTTGGCGGCTTGTGCAGCAATGGCC
AAGATCAAGGCTCGAGATCCTCGCGGGAAGAAGAAGGAGGAGCTGCTGAAACAGCTGGACGACCTGAAGGT
GGAGCTGTCCCAGCTGCGCGTCGCCAAAGTGACAGGCGGTGCGGCCTCCAAGCTCTCTAAGATCCGAGTCG
TCCGGAAATCCATTGCCCGTGTTCTCACAGTTATTAACCAGACTCAGAAAGAAAACCTCAGGAAATTCTAC
AAGGGgCAAGAAGTACCagggcccctggacctgcggctaagaagacactgtgccaatgcgcgggggttca
aaccaagcaccgaggaggaaccttgaatgaaccaagaaagcaggccagcgaaaaggaggggttggtacccc
gctgcggaaggtaccgcggttcagggccctggaggggcgcttggtcaaataaaggcacagctgttgaaac
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gcaaccgggaccagacacatggcgcgggtgacttccccaccaataaaaaaacgcccggggcgcacgcggag
gtctggaacacaccagaaggtgtccggagccctaggggccctaccacgggtccggggacgataacggcgca
cggggaggaaaacagagagcacgcaaacacgatcagcagacagacacagacaagagagacaaagtcgacag
cgacacactaacagcagagcaccgaaccccgacaacaacgagacaagcgagtcaga
Table3 5256
ACGGGGATTGCAGCGGGCCTCGGGGCTAAGAGCGCGACGCGGCCTAGAGCGGCAGACGGCGCAGT
GGGCCGAGAAGGAGGCGCAGCAGCCGCCCTGGCCCGTCATGGAGATGGAAAAGGAGTTCGAGCAGATCGAC
AAGTCCGGGAGCTGGGCGGCCATTTACCAGGATATCCGACATGAAGCCAGTGACTTCCCATGTAGAGTGGC
CAAGCTTCCTAAGAACAAAAACCGAAATAGGTACGCGGGAGCAAAGAGCAGATCAACTCCCAGACCCCAGG
CAACCTCCTCCACCTCTTCTTCACCGATGTCCGGCCGCCACCGCGGTGGAGCN
Table3 5258
NNNCAAACATCCTGTGAAAAGCAGAGCTGGATTAGGCAGAGGTAGAAGTCACCCTGCAATGCCAG
CTGAAGGATAGCCTTGGCTAAGCCCATAAGGAGGTCTGGAATAGTTTCTCAGAATTGTCCTACGTTAGACT
GAGATGTCCAGGTCTCTGTACCCTCACATCAATCAGTCACTGAATGTGTGGCATTCTAGAAAGGGACATGA
CCTTGAGCAAGGGGGCTGTCTACAGCTGAGGCAATCCTTGAAGGGGCTGACAGATGAAGATTGTCTGCAGA
GAGCCTTCCCTGCAGCTGGAGCAAAAAGTCCTTCATTGACCGTGAATCTGGACAGCTCATCTGGTGCCCAG
CACAAATATATTTTACTTTAGAGTAAAATTCTGTGGGGGAAGATGGACAATATACAAGTTCAAGAAAAAAA
AAGAGATGACAAAATTTTGACTGTAAAGAACAGCATGTTCATGTATTTTTTAAAATTGATGATGTTGAATA
GTAAATAAATACAGTATTTAAATCCTTTGGATCAATCCANAANAAAAAAAAAAAAAAAAAAGGTACCTCG
GCCGCTCN

Table 6
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Table3 5259

tATAGGGAGTCGACCCACGCGTCCgttCACACTCCGGCGGAGCTCCTGCCACAGCCGTCGCCTTC
GCGGCGGCTCTCCAGCCCCGCGCCTCAGCCTCGGCGCCGCATCACCGCGTCCCAGGCCTCCTTCCCTCCCT
CTGCCACTCCCCCTCCCTTTCCCGCTCTTCTTGCCCACCCGGCCGGCAGAGAGAGCCTGGATACGAAGCAG
GCGGGCTTCAGAGTGGGTTGGAAAAATGGAGGTGCCGCGCCTGGATCATGCCCTCAACAGCCCCACCAGCC
CCTGTGAGGAGGTGATCAAAAACCTCAGCCTGGAGGCCATTCAGCTGTGCGACCGGGACGGGAACAAATCA
CAAGACAGTGGCATAGCAGAGATGGAAGAACTTCCTGTACCACATAACATCAAAATAAGCAATATAACGTG
TGACTCATTCAAGATTTCATGGGAAATGGATTCAAAATCAAAGGATCGCATTACACACTATTTTATTGACC
TCAACAAGAAAGAGAACAAGAACTCCAATAAATTTAAACACAAGGATGTTCCCACAAAATTGGTGGCAAAA
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GCAGACTGCCTCAAAACAAGTTGATGGTGATTATGTTGTGTCTGAATGGAGTGAAATTATAGAATTCTGCA
CCGCAGACTATTCAAAAGTTCATCTAACACAATTGTTGGAGAAGGCTGAAGTGATTGCAGGACGCATGCTT
AAGTTTTCTGTTTTTTTATCGTAATCAGCACAAAGAATATTTTGACTATGTTCGAGAACATCATGGGAATGC
TATGCAGCCATCTGTCAAGGATAACAGTGGTAGCCATGGCTCTCCTATCAGTGGAAAATTAGAAGGCATCT
TCTTCAGCTGCAGCACTGAATTCAATACTGGAAAGCCACCCCAGGATTCACCTTATGGAAGATACAGGTTT
GAGATTGCCGCAGAAAAACTTTTTAACCCCAATACTAACTTATACTTTGGGGACTTCTACTGTATGTACAC
TGCTTATCATTATGTGATTCTTGTTATTGCTCCTGTGGGATCACCAGGAGATGAATTTTGTAAGCAGCGCC
TTCCTCAACTAAATTCTAAGGATAATAAATTTTTGACCTGTACAGAAGAAGATGGGGTGCTGGTTTACCAC
CATGCCCAGGATGTCATTTTAGAAGTCATTTACACTGACCCTGTGGATCTTTCTCTGGGCACCGTGGCAGA
AATCACTGGTCATCAGCTCATGAGTTTGTCTACTGCAAATGCAAAGAAAGATCCCAGCTGCAAAACCTGTA
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GGTCCTCTGTTGTCCATTTTTATCACCAGATGTTTTCCACTGAAGCATGCACATGCCACTGTCACCAAAAC
AAACAACTACCACTTTCCAAATTTCATTCAGAACCATTTTAGTGTTTTCCTATTCCCTACCCCTCCCACTA
CTTTCAATGATGAAATACCCTAAGTTAAGTTCTCCTTTTGACACTTTATTGCCTAGATGCTGCAATGTTTT
TATGTTTCCTTTATGCCAAACATAACAAAACAGTTATATAGACTGCTTTAGCAAAGTACACAATAATGGCT
TATAAATGGTGTTTAAATATGCATTCATTTTAATCTACTGAACAAATATTGGGATAACTCCAAACCGCATG
AAAGGGTGTAATTGCAGCATGAGTTAAATCTTGAAGCCTAGAATTGTCAGCACTTCCAACTTCTTGTTTGA
CAGTGTTATTTATGTTATTTATATTAGCTAACAGGAAACAACTACTGTGTTTCAACATAATAAATATAATA
GAAAAATATTTTATTTGTATTGTTGTATAAAATATTTACAATCATATAGAATATATAGAGTTACATTTTAA
TAGCAACTGTGTACATGTCACGAAACCATTTCCCTTATCAAAGATGTAATTTGTAAACCTCAAATAGTTGT
GTATCTGTCCTGTTAGAAGTAGATGACTTCAATTAAACAAATTTATGAAGGACATTATTCTGATTCATAAA
AGTTATAAAATATTAGGTAAATACAGAGAAAACAATAAGCCTCTGAAATAAGTCTGTTTCTGAAATAGTCA
ATAGTCTTCCCATCCAAACTATAAGAGAATGTGAATTTCTTCAACATCATACTTAAACATTACAGAAAATA
GAAATACAAACAAGGTTGGTACATAGAGAAAATGTTGACCTTTTACTTCCTTTTACAAAAATGAAAATAAT
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CTCATGGGAAATGTTTTGACTTTACAAAGTATAGATGTTGGAACATTAAGAAAAATGTATATTCCCAATGA
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CTGTCAGTTATAGACAAAGATAATAATTCACAAAGTACATGCTATCAGAATGAACTTTGGTAACCAGAAAT
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ATCCATTAGAAGTTTCAAATAAATTGCTTTCTTGCTAGCTGTATTCCTTCCTACTTGAAAAGCGAATTTCT
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CTGTTGTATTCTTCCCCCCGTTTAAATCCCTTCTCCTTGTATATAATTAAACTTGCTATTCCTTCTTAAAA
ACAGCTAATACTACCACTAAAGTGCTTCCATTTTCATTGTGTCAAAACTACTTAGCAAGGATGGCAGAGGA
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CATCTTGCTTGCTGATGAGGACCTCTAATAGTCTCAGTTTGGCTTTTATGTGCTTATATTCATAATACTCA
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TCTTAAGGCTTTCCGCAGTCTCTTCTTGTCAGCCCTAGTTTCTCGGAGATGGTCAAGAAGTACAGGCATGG
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CTAACAGGCTCAGTCTCATTAGAGTAGGTGAGGTGGTCACCAACAGGAAGGTGAGATGCTGGATCTGCCAA
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TGGAGTCTCTTCTCCAGAGGAGCTTGGCTCCGGGCCCGCAGCTTCCGGTTTCCCATTTTCTCTGGGGACTG
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Table3 5260

NNNNNGGCCTACTGGCTTCGCGCCGGCCCTTCCGCGGGTGATCAGCTGGTCTGCGCTCCCCTGAC
GTGGGCTGGGGCACGTCACCGCCGAATGGCAGCCTCCAGAAAGCCACCGCGAGTAAGGGTGAATCACCAGG

Table 6
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ATTTTCAACTGAGAAATTTAAGAATAATTGAACCTAACGAGGTGACACACTCAGGAGACACAGGTGTGGAA
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CTCCATGTGACTGTCGGCGGGCTTTTGTCTCTGGATTCGATGGCTCTGCGGGCACAGCCATCATCACAGAA
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ACTTATGAAGATGGGTCTGAAGGACACACCAACTCAGGAAGACTGGCTGGTGAGTGTGCTTCCTGAAGGAT
CCAGGGTTGGTGTGGACCCCTTGATCATTCCTACAGATTATTGGAAGAAAATGGCCAAAGTTCTGAGAAGT
GCCGGCCATCACCTCATTCCTGTCAAGGAGAACCTCGTTGACAAAATCTGGACAGACCGTCCTGAGCGCCC
TTGCAAGCCTCTCCTCACACTGGGCCTGGATTACACAGGCATCTCCTGGAAGGACAAGGTTGCAGACCTTC
GGTTGAAAATGGCTGAGAGGAACGTCATGTGGTTTGTGGTCACTGCCTTGGATGAGATTGCGTGGCTATTT
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GACCTCTCCCCAAGGGAGAAGGTGTGGGTCAGTGACAAGGCCAGCTATGCTGTGAGCGAGACCATCCCCAA
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TCCCTGAGACGAATAGGACCTTGTCCCTGGATGAGGTGTACCTTATTGACTCGGGTGCTCAATACAAGGAT
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TGTCCTCAAGGGCCACATAGCTGTGAGTGCAGCCGTTTTCCCGACTGGAACCAAAGGTCACCTTCTTGACT
CCTTTGCCCGTTCAGCTTTATGGGATTCAGGCCTAGATTACTTGCACGGGACTGGACATGGTGTTGGGTCT
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TCACTGAGACAGAATCTACCTAGAGATTGGACACGCTAGGTGATGGGACGAAAATCGAGAAGGACAAGAAT
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Table3 5261
ACAGGTGTGCACCTACTGCAAGAAATGAAAGTGATTGGGAATGAAGCAAGATAACAGTTATTCAC
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Table 6
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AACAAAGTTGATTAAGAAAGGAAGTATAGGCTAGGCACAGTGGCTCACACCTGTAATCCTTGCATTTTGGA
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TATTACCATTATGGATAAAGATGAGATGGcaGccAgtagaaacCATCTCTagaaaccatcTCATCTTTATC
CATAATGGTAATAGAGCACAGTGTTCTCTAGACATGTAGATctcccaCATGCcaagCTATATCATGATTTC
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tcaactttgtttttatttatttatttatttatttatttatttatttattgAGACAgggt
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TGTATTACATACATCAAATCTTTCTGTAAAGTTTGATTTTTGTTTCTTTAAAAGGAACATAAATGTTCCAG
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GTTCCCACCCTAGATTGTGGGGTTTTTTTTTGAAATCTGTTCCATTTCAGACATTTAAAGAACAGCCTTAT
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CTGTGCACACTAATCTGTACCTGCCCGGCCGGCCGCCACCGCGGTGga
Table3 5262
NNNNNNNCAGGAGGACAGTTTACGGAAGTGTAACGTTGAGGCCCTTCTTGTGTATCTGGAGAAAA
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Table 6
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AGGACCATAAACTTTCAGAACTTTGTATTATGCAGAGGGATCTGTGAAACTAGTCAATTTGTTTCATTAAA
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CANNNNNNNNNNNNNNNNNNNNNNNNNNNN
Table3 5265
NNNGTCAAATAGGGATCTACATCATCCAAGTTGGTTGGCATCCCTGGCCTGGGGGACAGCGGTTG
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CGCCTGCCTTCTGAGCTGCACTTTCCGTGGGTGCCTTATGTGGTGGTGGTTGTGCCCAGCACAGACCTGGC
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CGTGTTCCTGAGAAACGGATTAATAGCCCTTTATCCCCCTGCACCCTCCTGCAGGGGATGGCACTTTGAGC
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CCAGACTTTCAGGAAGGGCAGGACAGCAGTCCAAACCGCATCCTCAGAGACTGTAAGGCACTCTGGAGGCG
CCAATACCGGGGCGGTGCACCCGGGGGTGGCGTGCTGGCAGTGGAGGCCCTAAAAAAACCGCCAGGCGGGG
GGGGGGGGGCCCAAAACCGCTGCGGAAGGCCCAGAATGAGGGGGAACCCGTCCTACAATTCTGGTGGACCA
AACGCGGGTCGGCGCCGCCACGCGACANNNNN
Table3 5267
NCGTCCGAAACGATCTCAAGAGCTGCACTTAAGCATCTAGAATTTTCTGCGTCACACCTCTTGAG
AGAAGAGACTGGCTCCAGGTCTGACTCAGTCCACTACAAGCTAGACGGTCTTCTTAAAGCACCAACATTAC
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Table3 5268
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CGGTATTGACTCTTCAGATTCAGAGTCTGATATCCTGTTGGGCATTCTGGACAACTTGGACCCAGTCATGT
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Table 6
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TCCTTACCAGCCTCCCTTTCTCTGTCAGTGGGGACGTCATCAGCCAAGCTGGAAGCCATTAATGAACTAAT
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ctcaaatgtcgncaagtggaa

Table3 5269

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GAGGGCAGGATGGTCTCGGACATCAACAATGCCTGGGGCTGCCTGGAGCAGGTGGAGAAGGGCTATGAGGA
GTGGTTGCTGAATGAGATCCGGAGGCTGGAGCGACTGGACCACCTGGCAGAGAAGTTCCGGCAGAAGGCCT
CCATCCACGAGGCCTGGACTGACGGCAAAGAGGCCATGCTGCGACAGAAGGACTATGAGACCGCCACCCTC
TCGGAGATCAAGGCCCTGCTCAAGAAGCATGAGGCCTTCGAGAGTGACCTGGCTGCCCACCAGGACCGTGT
GGAGCAGATTGCCGCCATCGCACAGGAGCTCAATGAGCTGGACTATTATGACTCACCCAGTGTCAACGCCC
GTTGCCAAAAGATCTGTGACCAGTGGGACAATCTGGGGGCCCTAACTCAGAAGCGAAGGGAAGCTCTGGAG
CGGACCGAGAAACTGCTGGAGACCATTGACCAGCTGTACTTGGAGTATGCCAAGCGGGCTGCACCCTTCAA
CAACTGGATGGAGGGGGCCATGGAGGACCTGCAGGACACCTTCATTGTGCACACCATTGAGGAGATCCAGG
GACTGACCACAGCCCATGAGCAGTTCAAGGCCACCCTCCCTGATGCCGACAAGGAGCGCCTGGCCATCCTG
GGCATCCACAATGAGGTGTCCAAGATTGTCCAGACCTACCACGTCAATATGGCGGGCACCAACCCCTACAC
AACCATCACGCCTCAGGAGATCAATGGCAAATGGGACCACGTGCGGCAGCTGGTGCCTCGGAGGGACCAAG
CTCTGACGGAGGAGCATGCCCGACAGCAGCACAATGAGAGGCTACGCAAGCAGTTTGGAGCCCAGGCCAAT
GTCATCGGGCCCTGGATCCAGACCAAGATGGAGGAGATCGGGAGGATCTCCATTGAGATGCATGGGACCCT
GGAGGACCAGCTCAGCCACCTGCGGCAGTATGAGAAAAGCATCGTCAACTACAAGCCAAAGATTGATCAGC
TGGAGGGCGACCACCAGCTCATCCAGGAGGCGCTCATCTTCGACAACAAGCACACCAACTACACCATGGAG
CTCACCCGGGTGGAGGCTGGGAGCAGCTGCTCACCACCATCGCCAGGACCATCAATGAGGTAGAGAACCAG
ATCCTGACCCGGGATGCCAAGGGCATCAggcCAGGAGCAGATGAATGAGTTCCGGGCCTCCTTCAACCACT
TTGACCGGAAGAAGACAGGCATGATGGACACGGATGATTTCCGCGCCTGCCTGATCTCCATGGGTTACAAC
ATGGGAGAAGCAGAATTTGCCCGCATCATGAGCATTGTGGACCCCAACCGCCTGGGGGTAGTGACATTCCA
GGCCTTCATTGACTTCTTGTCCCGCGAGACAGCCGACACAGATACAGCAGACCAAGTCATGGCTTCCTTCA
AGATCCTGGCTGGGGACAAGAACTACATTACCATGGACGAGCTGCGCCGCGAGCTGCCACCCGACCAGGCT
GAGTACTGCATCGCGCGGATGGCCCCCTACACCGGCCCCGACTCCGTGCCAGGTGCTCTGGACTACATGTC
CTTCTCCACGGCGCTGTACGGCGAGAGTGACCTCTAATCCACCCCGCCCGGCCGCCCTCGTCTTGTGCGCC
GTGCCCTGCCTTGCACCTCCGCCGTCGCCCATCTCCTGCCTGGGTTCGGTTTCAGCTCCTAGCCTCCACCC
GGGTGAGCTGGGGCCCACGTGGCATCGATCCTCCCTGCCCGCGAAGTGACAGTTTACAAAATTATTTTCTG
CAAAAAAGAAAAAAATCTTAAGTTAAAAACCAAAAAACTACATATTTTATTATAGAAAAAGTATTTTTTCT
CCACCAGACAAATGGAAAAAAAGAGGAAAGATTAACTATTTGCACCGAAATGTCTTGTTTTGTTGCGACAT
AGGAAAATAACCAAGCACAAAGTTATATTCCATCCTTTTTACTGATTTTTTTTTCTTCTATCTGTTCCATC
TGCTGTATTCATTTCTCCAATCTCATGTCCATTTTGGTGTGGGAGTCGGGGTAGGGGGTACTCTTGTCAAA
AGGCACATTGGTGCATGTGTGTTTGCTAGCTCACTTGTCCATGAAAATATTTTATGATATTAAAGAAAATC
TTTTGAAATGGCTGTTTTTTAAGGAAGAGAATTTATGTGGCTTCTCATTTTTAAATCCCCTCAGAGGTGTG
ACTAGTCTCTTTATCAGCACACACTTAAAAAATTTTTAATATTGTCTATTAAAAATAGGACAAACTTGGAG
AGTATGGACAACTTTGATATTGCTTGGCACAGATGGTATTAAAAAAACCACACTCCTATGACaAAAAAAAA
AAAAAA

Table3 5271

NNNGACCCACGCGTCCGGGGGCCGTCCCGTGGGGCGGCGTGGGCTGCTGCCTTGGAAACGCGGAG
CGCGCGCTCCCAGCGAAAGCAGCAGGGCAGGGATCTGCGTTGGAGGAAGGGACTGCTCTGGTGCTAGAATG
CTGTGCGTCGGAAGGCTGGGCGGCTTGGGAGCCAGAGCAGCAGCTCTGCCGCCCCGCCGGGCGGGCCGGGG
AAGCCTCGAAGCCGGGATCCGGGCCCGAAGGGTCAGCACCAGCTGGTCTCCCGTGGGCGCCGCCTTCAATG
TCAAGCCCCAGGGCAGCCGCTTGGACCTGTTCGGCGAGCGCCGGGGTCTTTTTGGAGTTCCTGAGCTGAGT
GCCCCAGAAGGATTTCATATTGCACAAGAAAAAGCCTTGAGAAAGACAGAATTGCTTGTGGACCGTGCATG
TTCCACCCCACCTGGGCCCCAGACCGTGCTGATCTTCGATGAGCTCTCGGATTCCTTATGCAGAGTGGCCG

Table 6
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ACTTGGCTGATTTTGTGAAAATCGCTCACCCTGAGCCAGCATTCAGAGAAGCTGCGGAAGAAGCTTGTAGA
AGTATTGGCACCATGGTAGAGAAGTTGAACACAAATGTGGATTTATATCAAAGTTTGCAAAAATTACTAGC
TGATAAAAAACTTGTGGATTCCCTTGATCCAGAAACAAGGCGAGTGGCTGAACTGTTTATGTTTGATTTTG
AAATTAGTGGAATCCATCTAGACAAAGAAAAGCGTAAAAGAGCAGTGGACCTCAATGTTAAAATCTTGGAT
TTGAGTAGTACATTTCTTATGGGAACCAATTTTCCCAACAAGATTGAGAAGCATCTCTTACCAGAACACAT
TCGTCGTAACTTTACATCTGCTGGGGATCATATCATAATTGATGGTCTCCACGCAGAATCACCAGATGACT
TGGTGCGAGAAGCTGCTTATAAAATTTTTCTTTATCCCAATGCTGGTCAATTGAAATGTTTAGAAGAATTG
CTCAGCAGCAGAGATCTTCTGGCAAAGTTGGTGGGGTATTCCACGTTTTCTCACAGGGCTCTCCAAGGAAC
GATAGCTAAAAATCCAGAGACTGTCATGCAGTTCCTTGAAAAACTATCTGACAAACTTTCTGAAAGAACTC
TGAAAGATTTTGAGATGATACGAGGGATGAAAATGAAACTGAATCCTCAAAATTCCGAAGTAATGCCCTGG
GACCCCCCTTACTACAGTGGTGTGATTCGTGCAGAAAGGTATAATATTGAGCCCAGCCTATATTGCCCGTT
TTTCTCTCTTGGAGCATGCATGGAAGGCCTGAATATTTTGCTTAACAGACTGTTGGGGATTTCATTATATG
CAGAGCAGCCTGCAAAAGGAGAGGTGTGGAGCGAAGATGTCCGAAAACTGGCTGTTGTTCATGAATCTGAA
GGATTGTTGGGGTACATTTACTGTGATTTTTTTCAGCGAGCAGACAAACCACATCAGGATTGCCATTTCAC
TATCCGTGGAGGCAGACTAAAGGAAGATGGAGACTATCAACTCCCAGTTGTAGTTCTTATGCTGAATCTTC
CCCGTTCCTCAAGGAGTTCTCCAACTTTGCTAACTCCTGGCATGATGGAAAATCTTTTCCATGAAATGGGA
CATGCCATGCATTCAATGCTAGGACGTACTCGTTACCAACACGTCACTGGGACCAGGTGCCCTACTGATTT
TGCTGAGGTTCCTTCTATTCTGATGGAGTACTTTGCAAATGATTATCGAGTAGTTAACCAATTTGCCAGAC
ATTATCAGACTGGACAGCCACTGCCAAAAAATATGGTGTCTCGTCTTTGTGAATCTAAAAAGGTTTGTGCT
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GAATTCAACCACAGACATTCTCAAGGAAACACAAGAGAAATTCTATGGCCTACCATATGTTCCAAATACTG
CCTGGCAGCTGCGATTCAGCCACCTCGTGGGGTATGGTGCTAGATATTACTCTTACCTCATGTCCAGAGCG
GTCGCCTCCATGGTTTGGAAGGAGTGTTTTCTACAGGATCCTTTCAACAGGGCTGCCGGGGAGCGCTATCG
CAGGGAGATGCTGGCCCACGGTGGAGGCAGGGAGCCCATGCTCATGGTTGAAGGTATGCTTCAGAAGTGTC
CTTCTGTTGATGACTTCGTAAGTGCCCTCGTTTCCGACTTGGATCTGGACTTCGAAACTTTCCTCATGGAT
TCTGAATAAAAGAAACACTCTACACCTCTTAAATCAAGGTCATGTAGATAATGACTTTGTTATAAATGCTA
CAGCTGTGAGAGCTTGTTTCTGATTTCATTGTTCGCTTCTGTAATTCTGAAAAACTTTAAACTGGTAGAAC
TTGGAATAAATAATTTGTTTTAATTAAAAAAAAAAAAAAAAGGGCGGCCGCTAGACTAGTCTANN
Table3 5272
GCGTCCGCGGACGCGTGGGCGCGGGGCGCCGGCTGCTCTGGCGGCTCCCGCGGCTCCGGCTGGCG
GCTTCGGGCCCTGCACCTGTGACTCTCGGCCGCGCTCGCCCTCGGCCCGCCCGGCGCCGCAGCCCCATGGC
CCCGTCCAGGCTGCAGCTCGGCCTCCGCGCCGCCTACTCCGGCATCAGCTCCGTGGCCGGCTTCTCCATCT
TCCTCGTCTGGACGGTGGTCTACCGACAGCCGGGGACCGCGGCCATGGGAGGGCTCGCAGGGGTGCTGGCA
CTGTGGGTCCTGGTGACGCACGTGATGTACATGCAAGATTATTGGAGGACCTGGCTCAAGGGGCTGCGCGG
CTTCTTCTTCGTGGGCGTCCTCTTCTCGGCCGTCTCCATCGCTGCCTTCTGCACCTTCCTCGTGCTGGCCA
TCACCCGGCATCAGAGCCTCACAGACCCCACCAGCTACTACCTCTCCAGCGTCTGGAGCTTCATTTCCTTC
AAGTGGGCCTTCCTGCTCAGCCTCTATGCCCACCGCTACCGGGCTGACTTTGCTGACATCAGCATCCTCAG
CGATTTCTGACCCAGGGGGTGAGGTCTCTGCACCCTGGGGGGGCCTTAGGACCTGGACTCAGCCTCTGAGA
TGTTGGGAGAGGCTACTCCCACCCCCTGGTGACCCCAGAACTGTGGCAGAAAATACACAGCAGGACGAGTG
TGGTCTCCCAGGAAGCTGTCCTGCCCGTCCCCTTTCGAGGAAACCTGAGTGTGGTAGAGAGGGGATCCTGC
CATGTTGCTCCTCATCAGCCTGGCCAGAGGGCAGCTTTAGACCTTTTCAAATGAATCTGTTTTCTTTTCTT
TCTTTTTTTTTTTCTTTTTTTTTTTTTTTTTGAGATGGAGTCTTACTCTGTCACCCAGGCTGGAGTGCAGTAG
TGCGATCTCAGCTCACTGCAACCTCCGCCTCCCAGGTTCAAGCAATTCTCCTGCCTTGGCCTCTCAAGTAG
CTGGGATTACAGGCATCTGCCACCATGCCCGGCAAATTTTTGTGTTTTTAGTAGAGACAGGGTTTTGCCAT
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TATAGGTGTGAGCCACCGTGCCCGGCCTGGATCTGTTTTCTTAGCACGCAGTGAGGAATCTTTGTACTTAA
GGCCAGGGCAACAAAGTCAAGAGGTCAAGGTGTAGGGCCATGAGGCCTGGACCTATGCTGCAGGCAAGGGT
TTCCATCCCCGCTGCCCTAGGCACTCTCTTCCCAAGGCCAGGTTGGGCACCTGGGGAGGTCAGTTCAGAAA
TATCTAGCAGAGACCTCTTAAACCCCCATCCCAGCACCCCATCCTGTTGTTCCCAGAGCTGGTCTCCCATG
AGTGTGCTAGAGCCAGATAGCCGTGGCCCCCCACCCATCTCACTCACACACACAGGCATCCATACACCCCA
GAAGACTTCCCAAATGAGGCCAGACTCAGGGTCACGGGGAATGTGCTTCTGCCCCTGTAAGGGCTTTGGGG
AAGGGGGCAACATAGTAGAGGCTGGAAAGAGCCCCCAAACCTGTGCCCATGCCCCTCCAGCCCTGCGTTTC
CATTCTGCCTTCTCAGAGTGCCCTTGCTGCACCCAGACCACCGGCCAGGAGAGACCTTCTCTCCCACTCCA
GCCCCTCTCACTGCCCTTCAACTAGAGCTTTCACCTTTTTACATTTCCCTTCTGAAGGACACAAATCTGCT
TTTCTGCCCATACACTGGCCCAAGGGCTCACCTAACTTGGGAGGGAAGGGGCTGTTGGTACAAGGATGATT
TTCTGTTAGACTGCCATTTTGCACGGTCTCCCCCTTCCCATCTGATGTGTCCTGCCCCTCAGCTCTTTGCC
TTATCTGTGTCACTGTCACTTTAGCAAAAATACAGCGGCCATTTGTATCAAAAAAAAAACCCGGGTTGCCC
CCCTTTTCGGGCGGGCACAGATTAATGGGAGGGCTGTTCCGCCCCCTTTAAGGGGATGCGCCCCTANNN
Table3 5273
CGTTCTACAGTCTCAATCGTGTATAGACTAATGAGAAAAAATGAAAATGAGTTTCATTAGACAGA
CCACTTTTGTTGGACTCAGTCTTGAGCTGATCAAATGAGGCAGCTGAACTGAGACTGAATCTTCCCTGTGA
TTAGCTCAACTCTTGAAGTAGCCAGGCACAAATTAGCTGGATGTAGTGGTGCGAGCCTGTAGTGCCAGCTA
CCCAGGAGGCTGAGAGGCAGGAGGATTGCTTCCGCTGAGGAGTTCGGGGCTGCAGTCCCCGCGTACCACAA
ACCATAGTAACTTACACAGGGGGAAAAGTTACTGAAATAAAAATGTTTTATAT

Table 6
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Table3 5274
NCTCCTCCGAATATCCTGGTCTGGTTCTCCAGTTCAGTGTTTCAGATTAAATCCCCTGACACAGT
AAAACTCATGTGCACTGACTTCTCCTCCGAATATCCTGCTTTGGTTTCTCCAGTTCAGTATTTCAAATTAA
ATCCCCTGACACAGTGAAACTCATGTGCACCGACTTCTCCTCTGCCCCAGATGGTGTAACCTGGGCTGGCC
AGACAGGCACCTCCCCAGTGGGCGTGTCTTCAGACAAAGGTGGCTTTGCTTTGTTGAAGTTACTGATATAA
AGATCAGCGCCTGAAACAGATTCTCCGGGATATTACCGGAGACGGAGTGTTTTATTATTAGCCTTTCTTAG
GTGGACATTTCCATTTGAATTACAAGTCCTTTAGGCTGGGCGTGGTGCATGGCTGTAATCTCAGCACCTTG
GGAGGCTGAGGCAGGAAGATCACTTGAGGCCAGGCGTTGGAGAGCAGCCTGGGCAAGGTGGCAAGAACCTT
GTCTCTACAAAAAAAAAAGCGTCTGCCATCATGGATGTTCTCGCAGAAGCAAATGGCACCTTTGCCTTAAA
CCTTTTGAAAACGCTGGGTAAAGACAACTCGAAGAATGTGTTTTTCTCACCCATGAGCATGTCCTGTGCCC
TGGCCATGGTCTACATGGGGGCAAAGGGAAACACCGCTGCACAGATGGCCCAGATACTTTCTTTCAATAAA
AGTGGCGGTGGTGGAGACATCCACCAGGGCTTCCAGTCTCTTCTCACCGAAGTGAACAAGACTGGCACGCA
GTACTGGCTTACGGGTGGCCAACAGGCTCTTGGGGGAAAAGTCTGGTGATTCCTCTCATCTTTAGAGATTC
GTGCAAAAATCTACCAAGCAGAGATGGAGGAGCTTGGACTTTATCAGCGCCGTACACAATCCCAGAAAACA
CTTAAACACCTGGGTAGCTCGACAAGACCGAAGGTCACACTGGCCGAGTAGACTCAACCGGGACCAGAGGA
TCCATGCACAGGCTGGTCGGTGAAGCGGCACTTCCAAGCGCACCGGGGGCTGTACCGATGGCAAGTGCAAA
ACGCAGGAAAACGGTCACGTCAGAACGAAGACGGGAAAACACTGGGCCAGACAGTTAACCCACCTACCTAG
AAGCGCCACATGTGGGAACATACCACCCCTCGGGGCCACCAATGGAGAAGCACGCAGCACCCCACGTGCAC
ACAACCCACGATAGAAGGCGCGCCAAACCCCCAAGCGACCCACCGACCGCCGCACCACAACAAGCGACCAC
AGTAAACCAATCACCGCGCCTGACGCGCGACGACANN
Table3 5275
NNNNNNNNCAGGTACATATTTTTTAAAACTGGTTAGCGATAGCTACATGACCCAATTATATTTTC
TATATTTATTTGATTATCAGCCAGTAAACTCATAATGAAGCAGCTGCGCACTCCCCCAACAATTGAGAATT
GAACAAATTTCCAGAGAGAAGTGAAAAATATCAAAAATTAAAATCCTAAACTTGAAGACAAGTTGAGAGAC
CATTTAGTCTGGCCACCTGTATCCAAGATTCATTTAAAACCAAGCAGCGGCCAGGCACGATGGCTCACGCC
TGTAATCCCAGCACTTTGGGAGGCCGAGGCGGGCGGATCACGAGGCCAGGAGATCAAGACCATCCTGGCTA
ACACAGTGAAACCCTGTTTC
Table3 5276
NNGATCCCTGCGCGCGTCTCCTGCTCGGGTCAGTGCGCCGCGCTGCGCTGGGCGCCATGGCGCTC
CCCGGAGCCCGGGCTCGCGGCTGGGCGGCAGCAGCCAGAGCGGCCCAGAGGCGCCGCCGCGTGGAGAACGC
AGGAGGGTCCCCGAGTCCTGAGCCTGCGGGCCGGCGCGCGGCGCTTTACGTACACTGGCCTTACTGCGAGA
AGCGCTGCAGTTACTGCAACTTCAACAAGTACATCCCTCGCCGCCTGGAGGAGGCTGCCATGCAGAAGTGT
CTGGTGACCGAAGCTCAGACGCTGCTGCGGCTCAGCGGGGTGCAACGGGTGGAGTCTGTGTTCTTTGGTGG
GGGGACCCCCAGTCTAGCCAGTCCCCACACGGTGGCTGCTGTCCTGGAGGCTGTGGCACAGACAGCCCACC
TGCCTGCAGACTCGGAAGTCACATTGGAGGCTAATCCTACTTCAGCTCCGGGCTCCAGACTGGCAGAGTTC
GGGGCAGCAGGGGTTAACAGGTTGTCTATAGGCCTCCAGTCCCTAGATGACACTGAGCTCCGGCTGTTGGG
ACGGACGCACTCGGCCTGCGATGCTCTGCGGACGCTGGCAGAGGCCCGGCGCCTCTTTCCCGGGCGCGTGT
CTGTAGACTTGATGCTGGGGCTGCCGGCACAGCAGGTGGGGCCGTGGCTTGGGCAGCTGCAGGAACTGCTG
CACCACTGTGATGACCACCTCTCCCTCTACCAGCTGTCCCTGGAGCGGGGCACCGCACTCTTCGCCCAGGT
GCAGCGGGGTGCCCTTCCAGCCCCTGACCCGGAGCTCGCAGCTGAGATGTACCAGAGGGGCCGGGCTGTCC
TTCGGGAGGCTGGCTTCCACCAGTATGAGGTCTCCAACTTTGCCCGGAATGGGGCGCTCAGTACCCACAAT
TGGACTTACTGGCAGTGTGGTCAGTACCTTGGCGTTGGGCCTGGGGCCCATGGACGATTTATGCCCCAGGG
GGCTGGAGGCCACACCCGGGAGGCTCGGATCCAGACACTGGAGCCTGACAACTGGATGAAGGAGGTGATGC
TGTTTGGCCATGGCACCCGGAAGCGTGTCCCCCTGGGCAGGCTGGAGCTGCTGGAGGAAGTTTTGGCCCTG
GGGCTACGCACCGATGTGGGGATCACTCACCAGCACTGGCAGCAGTTTGAGCCCCAGCTGACCCTGTGGGA
TGTGTTTGGAGCGAACAAGGAGGTGCAGGAGCTGCTGGAGCGGGGCCTACTGCAGCTGGATCACAGGGGTC
TTCGGTGTTCCTGGGAGGGTCTGGCTGTGCTGGACTCTCTCTTGCTGACCCTCCTGCCTCAGCTCCAAGAA
GCCTGGCAGCAGAGAACCCCCTCCCCTGTGCCAGGAGGATGACAAAAATGTTCCTGTGTTCCAGGGTAATG
CCAGGTGGGTTTTGAGAGCTGGGTCGGTACTGCAGACATCTCTTCTCCGTTGTCGGGTGCCGTCTCTGCTC
CTTGTGGTTATTGCTCAGCCCTGGCATCCCCAGGGGAATGGCAGCAGTGAGGTAGATGGGAGGACATTTCT
GGTCAGGGAACTGGCATCCCATTCAGCATCTCAGGACTCACAGGCCAACATGTGTTCCATGGCTGGGAATT
GCCTACCACCCACATCAGCTTCTGTTTACCTTTTTGGCATCAAATAATGAACAGTGTTTGGAAATCTTTCT
ACAGGCAATTACCTCCCCAAGAGAAGCCTTCCTTATTTTGGAGTAAGGTCCTAAGATAGCTGGATGAATCA
GGAAAACCATGTCCCCTCTAGGTATTATTAATATAAGCAGGAAGGGATCTACTATAGGAATGAAGTATTTA
TAAACCACTGAAAGGGATAGAGAAGTGAACATTGGAGAAAGCCAGTAGCAACTGTGAGAAATCAGCAACTT
GCAGGAGGCACAGAAAACTCCTGCTGATGGTCTCAGCTTCCAGCAGCACAAAAGCAGATGATGTACTGGAA
AATGCTCAGAAGATGCTACAAAACCTCATGCCTACTGTCTGCCACTGCTGGAGAAGGAATCATGGTTTCTA
GAAGTGCCTCTCATTAGTGGACTTTAAAGCAAATCCTGGCTGGCAGGAAATTCTGAGGAATATAGCTCTTA
GGCTTCCAGCCTCTACCATGCAGGAGAGAACACAGAAGGACTGATGTATGTTGGTGGATCCATGTATGTGT
CCAGCACAGCGGCCTGCTGGACTCTGAGAACTGGGAAAGATCAGAGCAAGCCTTGCCTCTTATCTTCGGGA
AACCAGAATATGTTTGGGGTGGTAGGAGCCACACAGACTCTTCTGAGCCCCCTCACTCACTTCCTTCCCCC
TGTGCCTTTCCTTTGAGAGTGAAGGTGGGTGGAGTTGACCAGAGAAAGGGGAGAGAATTCGGGAAAGACCC
AAAGTGTTTGTAATTCTTCTTTGTCCTTTTACCTACAGAAATGGTCACATGGTTCTATTTAAATAGCCTAA
TAAACACATCTGGAGCCTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGTCGTATCGATGN

Table 6
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Table3 5277
TTGTATTCTCCTGTGCTCTCTTTGCGCCTTTGGTCTGTCTGTTTCCGCTCTTTGGCCCGCCCGTG
TTGTACCTGCGCCTGGCCGATGCCACTCTGGTTTACCTCCTCTTTCCTTTCCCCGTCCTTTCCCCCTTTCC
CTTTGTTTCCCCAACCCCTGGGTGATAATGTATTCCCTCTTGGCCATTGAAGATCTTCGTATCATGCATGT
TTAGGACCCTATCCGACTCTCGAGTCTCTTCAAATCCTTCAAATTGGCACCGATCTGCCGGCTGTCATGAT
CTCCAGCATACTGCCAGCTCGTGGATGGAGAATGCTAGATTCGTCGACTTTCCCTGCATTGTCTGAGCCAG
AGTCTCATACGTCTCTCTCAGGCAGTCCATTCTGTCTTCCGAGTGTCAAGGCCACACCAGGGAGGCTATAT
GCACAGTGCTTAGCATTTCAGTGTCAACCGTCTGTGCACGAGAAGGGTCAGTCATAGATAAATACTGATCT
AACACGCCTGAGGTACAACATCTTGTACTGTAGTTCTCCTTTCCTCATCAGGGCTAAAACTGCTATTGTTG
CTCAAGTCTGAATCGCTGTGAATATAGTGAAGAGTGGAGTCCATATTCCTCACACTCCAGAGTCCAGATAA
TGTCACTGGCCCTCCGCAACATGGCCTCAAGTCCCGATCTTCTGCTCAGAATACTGTGTTGCTTGCTGCAG
TGAAATGGTCCGATCAGAAACAAAGCACCTCTCAACAGCATCGCTGATTAAAGGCACAGAATCTTCTTGAT
TTATTTTACAATTTGGTAGCTCATTTATATCCAGTTCATCTTGCAAATCACTTCTCTTTTCTATACTGATG
GTCTCTTCATGTGCATCCAGCGCTGGAAGCACGTAGTGCACGCGGACAGCACTTCCACTTGTGCTTTAACA
TCTGGATCATCAATGTGGGGCTCTAGATTTTCTATCATTTCTTCCAGTTCCTTTCTGGTGGCCATGGTGAT
GTTTGGAGAACTGGGCACAGGGCCCTCAGATTCTTCCTCTGGTCCCTCTGGGCTGGGTTTTCCCCCAGAGT
TCTGTTCAAGCTCTACGTCTAGATCTATTTCAGGAAGAGGAGTCCTCCAGAAATGGAAGGAGTTATACAAT
TCCTGATCTAAGAGAGCTGAATCTTGTGAAGTGGTGCCAACCTCTGGTCGTAACATAGATTTGTAGTTACC
AGGTTTTTTATCATTCTCATTACTAGCTGCTTCCTGGTGAGATTCTGAGGACAAAGTACAAAGTAAAGAGC
TGCCCACGCGTCCGCGGACGCGTGGGTCGACTCCCTATA
Table3 5278
NNNNCACTTGCGGCCCCGGGTTCCTCCCGGGGCTACGCGCGGCCCTGGCCCAGCGTTGGCTGCCG
AGGCTCGGCCGGAGCGTGGAGCCCGCGCCGCTGCCCCAGGACCGCGCCCGCGCCTTTGTCCGCCGCCGCCC
ACCGCCCGTCGCCCGCCGCCCATGGAGCGCGCCGCGCCGTCGCGCCGGGTCCCGCTTCCGCTGCTGCTGCT
CGGCGGCCTTGCGCTGCTGGCGGCCGGAGTGGACGCGGATGTCCTCCTGGAGGCCTGCTGTGCGGACGGAC
ACCGGATGGCCACTCATCAGAAGGACTGCTCGCTGCCATATGCTACGGAATCCAAAGAATGCAGGATGGTG
CAGGAGCAGTGCTGCCACAGCCAGCTGGAGGAGCTGCACTGTGCCACGGGCATCAGCCTGGCCAACGAGCA
GGACCGCTGTGCCACGCCCCACGGTGACAACGCCAGCCTGGAGGCCACATTTGTGAAGAGGTGCTGCCATT
GCTGTCTGCTGGGGAGGGCGGCCCAGGCCCAGGGCCAGAGCTGCGAGTACAGCCTCATGGTTGGCTACCAG
TGTGGACAGGTCTTCCGGGCATGCTGTGTCAAGAGCCAGGAGACCGGAGATTTGGATGTCGGGGGCCTCCA
AGAAACGGATAAGATCATTGAGGTTGAGGAGGAACAAGAGGACCCATATCTGAATGACCGCTGCCGAGGAG
GCGGGCCCTGCAAGCAGCAGTGCCGAGACACGGGTGACGAGGTGGTCTGCTCCTGCTTCGTGGGCTACCAG
CTGCTGTCTGATGGTGTCTCCTGTGAAGATGTCAATGAATGCATCACGGGCAGCCACAGCTGCCGGCTTGG
AGAATCCTGCATCAACACAGTGGGCTCTTTCCGCTGCCAGCGGGACAGCAGCTGCGGGACTGGCTATGAGC
TCACAGAGGACAATAGCTGCAAAGATATTGACGAGTGTGAGAGTGGTATTCATAACTGCCTCCCCGATTTT
ATCTGTCAGAATACTCTGGGATCCTTCCGCTGCCGACCCAAGCTACAGTGCAAGAGTGGCTTTATACAAGA
TGCTCTAGGCAACTGTATTGATATCAATGAGTGTTTGAGTATCAGTGCCCCGTGCCCTATCGGGCATACAT
GCATCAACACAGAGGGCTCCTACACGTGCCAGAAGAACGTGCCCAACTGTGGCCGTGGCTACCATCTCAAC
GAGGAGGGAACGCGCTGTGTTGATGTGGACGAGTGCGCGCCACCTGCTGAGCCCTGTGGGAAGGGACATCG
CTGCGTGAACTCTCCCGGCAGTTTCCGCTGCGAATGCAAGACGGGTTACTATTTTGACGGCATCAGCAGGA
TGTGTGTCGATGTCAACGAGTGCCAGCGCTACCCCGGGCGCCTGTGTGGCCACAAGTGCGAGAACACGCTG
GGCTCCTACCTCTGCAGCTGTTCCGTGGGCTTCCGGCTCTCTGTGGATGGCAGGTCATGTGAAGACATCAA
TGAGTGCAGCAGCAGCCCCTGTAGCCAGGAGTGTGCCAACGTCTACGGCTCCTACCAGTGTTACTGCCGGC
GAGGCTACCAGCTCAGCGATGTGGATGGAGTCACCTGTGAAGACATCGACGAGTGCGCCCTGCCCACCGGG
GGCCACATCTGCTCCTACCGCTGCATCAACATCCCTGGAAGCTTCCAGTGCAGCTGCCCCTCGTCTGGCTA
CAGGCTGGCCCCCAATGGCCGCAACTGCCAAGACATTGATGAGTGTGTGACTGGCATCCACAACTGCTCCA
TCAACGAGACCTGCTTCAACATCCAGGGCGGCTTCCGCTGCCTGGCCTTCGAGTGCCCTGAGAACTACCGC
CGCTCCGCAGCCACGCTCCAGCAGGAGAAGACAGACACGGTCCGCTGCATCAAGTCCTGCCGCCCCAACGA
TGTCACATGCGTGTTCGACCCCGTGCACACCATCTCCCACACCGTCATCTCGCTGCCTACCTTCCGCGAGT
TCACCCGCCCTGAAGAGATCATCTTCCTCCGGGCCATCACGCCACCGCATCCTGCCAGCCAGGCTAACATC
ATCTTCGACATCACGGAAGGGAACCTGCGGGACTCTTTTGACATCATCAAGCGTTACATGGACGGCATGAC
CGTGGGTGTCGTGCGCCAGGTGCGGCCCATCGTGGGCCCATTTCATGCCGTCCTGAAGCTGGAGATGAACT
ATGTGGTCGGGGGCGTGGTCTCCCACCGAAATGTTGTCAACGTCCACATCTTCGTCTCTGAGTACTGGTTC
TGAGGGCTGGTCTGCCGCACAGCCGCAGGTGCACCTCCAGGCCAAATCATTGCTGCCAGTGACTGTGGTCT
GTACTTGTTTATACCCTCAGACTTTTTTAATGTTAGGTATTTGTAGCATTAGGCCAACATGTATTAAGCTG
AGCCAGATGAATAAGTCCATCTGATGTATTTTCGGTGTTTAAAAAATGAGCCCAGTTGCTCAACTGTTTGG
TTGAAAACCTTGCTCATTTTTTAATGCGAAGGCTAAGTGTCACCCCCTTTCTCTGCCTCTGGCTGGGCCTT
GCTAAGGGCCAAGGAAAGAAAGACATTTTTTAGGGGGCAGCCAGTCCAAATGCCAAAAGAAGACCAGTTCT
TGCCCTGATTGTATGAAATTTGACATTTTGGTGGGCACAAATTTTTGTGAAGAGGGGGGGAAAGGAGGGGG
ACATCCCAAAATGTGAAAGCGGGAGGAGAGCGTTGTAAACACGTGAATTGAGGGGTTAGGAGGAGGGCGCT
GGAATGGGAAAACTGNNN
Table3 5281
NCAGATGATGAAAGTAAGTCTTCTGTCTTCTTAGTAGAGGTATCTGCACTTGCGCAGCCCTCCAA
GGCGCCCTCTGGGGGGGGGGACTTCTCTTTCGGTAACCAGCTCCCTTGCGGATAGTCTATGTTCTCCATAT

Table 6
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AAACCCAGCACTTCCCTTAATTGAGATACGTGGGACTTCACTCCGTCCCCAGCCCGGAACCACAAGTGAGG
GCACTGCGTTTCCTGATTGACCTCTTTGGCGATTACTTCCGCCCAGGGGCCTGGAATACTGGAGGCCCTTC
GACGGAGAACAACAAGAAAGGCACTTCCGGTGTCTGTTGCCAGGCGCGGGCCCAGTGGGCCGTAGGGGCGA
CATTGTTGCCGTCGTCTTTCCCCCCCCAGTCCCGGGGATGGAGATGTCGGGACTCAGCTTTTCAGAGATGG
AGGGCTGCCGTAACCTACTTGGCCTACTGGACAACGACGAGATCATGGCCCTATGCGACACCGTCACCAAC
CGCCTGGTGCAGCCTCAGGACCGCCAAGATGCTGTTCATGCAATATTAGCATACAGTCAAAGTGCAGAAGA
ACTTCTGAGGCGTAGAAAAGTCCACCGAGAAGTTATATTTAAGTACTTGGCAACACAGGGGATTGTTATAC
CTCCAGCTACTGAAAAACACAATCTTATTCAGCATGCAAAAGATTACTGGCAAAAGCAACCACAACTGAAA
TTGAAGGAAACGCCAGAGCCAGTTACAAAGACAGAGGACATCCACCTATTTCAACAGCAGGTGAAAGAAGA
TAAAAAAGCTGAAAAAGTTGATTTTCGTCGCCTAGGAGAAGAATTCTGTCATTGGTTCTTTGGACTTCTTA
ATTCTCAGAATCCTTTTCTAGGACCACCTCAAGATGAATGGGGACCACAGCACTTCTGGCATGATGTGAAG
CTTAGGTTTTATTACAACACATCAGAACAAAATGTTATGGACTACCATGGAGCAGAAATCGTGAGCCTTCG
TTTGCTGTCACTAGTAAAAGAAGAATTTCTTTTTCTCAGCCCCAACCTAGATTCACATGGACTGAAATGTG
CATCTTCTCCTCATGGGCTGGTTATGGTTGGAGTTGCTGGGACTGTCCATCGAGGAAACACTTGTTTGGGC
ATTTTTGAACAAATTTTTGGACTCATCCGCTGCCCTTTTGTGGAGAATACTTGGAAAATCAAATTTATCAA
CCTGAAAATTATGGGAGAGAGTTCCCTTGCTCCTGGAACATTACCGAAACCATCTGTTAAATTTGAACAAA
GTGATCTAGAGGCCTTTTATAATGTAATCACTGTATGTGGTACCAATGAAGTACGACATAATGTAAAGCAG
GCTTCGGATAGTGGAACTGGGGACCAAGTTTGAGGTAGTGGAAATGAGACATTGCTGAACAAAAGAGAACT
GGGTTTACCTGACCCTCTAAAGCGCTAAGTACTGTCAGCCTGAAAAAAATCTTCTATACAGAAACTCTTCC
AAATACTATATCAGTAATGTCTGAATGATTTCAGATGTGAAAATTGACATATTTTAGTTGAAATACCTTTC
TGGACTACAGACTTACATATCATGTGAATACTTACCTATTTCTACCCGAGTTGCAGCAAGTATTCTGAAAG
CTTAATGCAAATAAATCCCACTTTAGATCTTACAGCTAACTGTGTGCCTTAGAAACCAGGTAATATTTTCC
TTTTACTTAGTGAATATTCTGCTAATATCTGCACTTTTCATGTGGGAAAGGATTAATAATGGTCCAGGCTT
CCCCTCTTTAAGTTTCATGTTTACTTTTGTCTAACTCTGGATAATTGTATTTTACAAATGCATCTCACTGT
AGTATATTTTTAAAACTATTAAATATTTTAGAGATGTATCGGAACCCAAGGTCCTTTGAAATTCACAACTC
TCTTTGGGCAAGCCCAATTTACGCGGAAAACTACCTATATTGAACATTAGATCAGGGCACCAATTTTGGGG
CGACCCCGCGGGGAAGGCCGTACAAATTCTGGCGATCGCAGCATAAAAAAGTTGGCCTTCTTCGGANNNNN
N
Table3 5282
NNNGAGGCGTGGGAGGAAGCGCGGCTGCTGTCGCCCAGCGCCGCCCCGTCGTCGTCTGCCTTCGC
TTCACGGCGCCGAGCCGCGGTCCGAGCAGAACTGGGGCTCCCTTGCATCTTCCAGTTACAAATTCAGTGCC
TTCTGCAGTTTCCCCAGAGCTCCTCAAGAATAACGGAAGGGAGAATATGACAGATACCTAGCATCTAGCAA
AATAATGGCAGCTGCTTACCTTGACCCCAACTTGAATCACACACCAAATTCGAGTACTAAGACTCACCTGG
GTACTGGTATGGAACGTTCTCCTGGTGCAATGGAGCGAGTATTAAAGGTCTTTCATTATTTTGAAAGCAAT
AGTGAGCCAACCACCTGGGCCAGTATTATCAGGCATGGAGATGCTACTGATGTCAGGGGCATCATTCAGAA
GATAGTGGACAGTCACAAAGTAAAGCATGTGGCCTGCTATGGATTCCGCCTCAGTCACCTGCGGTCAGAGG
AGGTTCACTGGCTTCACGTGGATATGGGCGTCTCCAGTGTGAGGGAGAAGTATGAGCTTGCTCACCCACCA
GAGGAGTGGAAATATGAATTGAGAATTCGTTATTTGCCAAAAGGATTTCTAAACCAGTTTACTGAAGATAA
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AGGAAATTGCTTTGAAGTTGGGTTGTCTAGAAATACGGCGATCATACTGGGAGATGCGGGGCAATGCACTA
GAAAAGAAGTCTAACTATGAAGTATTAGAAAAAGATGTTGGTTTAAAGCGATTTTTTCCTAAGAGTTTACT
GGATTCTGTCAAGGCCAAAACACTAAGAAAACTGATCCAACAAACATTTAGACAATTTGCCAACCTTAATA
GAGAAGAAAGTATTCTGAAATTCTTTGAGATCCTGTCTCCAGTCTACAGATTTGATAAGGAATGCTTCAAG
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GTGAAGACAAGGACAGAAAAGGAATGCTACAACTAAAAATAGCAGGTGCACCCGAGCCTCTGACAGTGACG
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TAGAGAGCAAAAGATTTGTACACAGGGACATTGCTGCTCGGAATGTTCTGGTGTCCTCAAATGATTGTGTA
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GACGAAATGCTGGGCCTATGACCCCAGCAGGCGGCCCAGGTTTACTGAACTTAAAGCTCAGCTCAGCACAA
TCCTGGAGGAAGAGAAGGCTCAGCAAGAAGAGCGCATGAGGATGGAGTCCAGAAGACAGGCCACAGTGTCC
TGGGACTCCGGAGGGTCTGATGAAGCACCGCCCAAGCCCAGCAGACCGGGTTATCCCAGTCCGAGGTCCAG

Table 6
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CGAAGGATTTTATCCCAGCCCACAGCACATGGTACAAACCAATCATTACCAGGTTTCTGGCTACCCTGGTT
CACATGGAATCACAGCCATGGCTGGCAGCATCTATCCAGGTCAGGCATCTCTTTTGGACCAAACAGATTCA
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CAGCCTCAGCAGCCCTGCTGACAGCTACAACGAGGGTGTCAAGCTTCAGCCCCAGGAAATCAGCCCCCCTC
CTACTGCCAACCTGGACCGGTCGAATGATAAGGTGTACGAGAATGTGACGGGCCTGGTGAAAGCTGTCATC
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CCTGAGGACATTATTGGCCACTGTGGATGAGACCATTCCCCTCCTACCAGCCAGCACCCACCGAGAGATTG
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CAAAAACTTACTCGATGTCATTGACCAAGCAAGACTGAAAATGCTTGGGCAGACGAGACCACACTGAGCCT
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AATCCACANNN
Table3 5284
AGGGAGTCGACCCACGCGTCCGATCTTTGTCAGTGCACAAAATGGCGCCCTACAGCCTACTGGTG
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GGCGATGAGCCACTTTGAGCCCAACGAGTACATCCATTATGACCTGCTAGAGAAGAACATTAACATTGTTC
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Table 6
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CCCAACAGCCACAGCCACAGATGGATCCATCACTGCAGTGAAGGAGGAGCAGGGCCTAGATGGTGGAGGAG
CGGGGCAAGCTGGTGGGCACTCCTGGCCTTGCCTCACTGTCCAGCTCGAGACACTATCTCCTTAGCATCGG
CCTCAGCTGCTGTTGTCTTCACAGCCGGCCATACCACCTTCCCGCAGGCTGGTAGGGTCCACTGTCCAGCC
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GTGTCAACAAAGCTCTCGTCCACCACCCGGAAGCGGATCTCCTCGCCGGTGTCCATGTAGAGGTCGTGTGC
TCCTTCCTCCGTCTCGTACTCCCACACCCACACCTGCTCCGCTTCGTCGAACTTGGCTGGCTGCTGCAGTG
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CGTGGGGCAGAGAGAGGGCGAGGAGAGGGCGGGGCCTCCTCCTTTCACAGGAGCAGAGCGGTTCCCCCGCC
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AGTGCTGGCAGGAACGTGGCGCTGTCTCAGGTTCTTCCTCCCCTGCATTCCTCAGCAGCTGCCCTCACTGG
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CTGGTGTCCCCGGACGCGTG
Table3 5286
ACCTGCCTGCTGGACCCCTCCACCTGGAGGCCAGCCCATGTCTCAGGCCCAGCCCTAGCCTCTTC
TCCTCAAATTCTAAGTGTTTTCTCTTTAGGTTTCCCTGGCTTTGTGAATGGATCATGTGTCTCTAGGTATA
AACCTGACATCATCTTTCCACCCGGCTTACCTCCACCAGATCTCCCCAGTTCTGTCTCCATCTTCTACCTG
CAGCTGCTCTGTTCTCATGGTCACTGCTGCATCACTGAGTCTGGACCCTTGTTATCATTTTCAAACTGGCC
TCCACGCCCTGCTCCCTCCTCCACCTCCCCATCCTCTTGTCTCCCCTCCCCTCTGAATCCAGCCCAGCGGG
GCTTCTCCTGCCTCCATCACATCACAGAAGTCC
Table3 5287
ACTCCTCCATGGCGCTGGCGTCTGGCCGCGCAGTCAGGCCACGCCCCCAGCGTAGACGCACACCG
GCGTCGGAGCTTTCCGCCTATTACCGGGCAGCGATTGGGTCGCTATACCGCATGTCACGCCAAGGACGCAC
TCTCATTGGCCAATCGAGTTTCTGCCATTTGTTCATTGCCTCCTGAGCGTATTCCAGTTACTTTCAGGCTC
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TCTCCCACCCGGCAGTCATGGGGACGCTGGATGAGCCCATTTCTGAAGTGCGGAGGGGCCGGGCTTCTTAG
GCTGTGGGCGGAGCCTGGGCCTGGGAGAGGAACAGGGCCCTGGAGCACCTGGTTTCGGGGACAGTAGGGTT
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AGAAGCTTAAGTCCATGGTAGGCCCATGGCATGGGAGCAGGGGGTGAGAGGGGCACATGGGAGTCCCAGAG
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GANNN
Table3 5288
CGTccgcCCACGCGTCCgggaGGCAGCGTTTTCTgggcTTCTGTCTGGTTCTCTCTCTCCAGAAG
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CTCGTGCTCAGTGAGTTCTGGGGATGCCAGGAAATGGACCCTTTTCGCCCTCTTCTGTCCATACTTTTCAG
TGTTGCCCCAGCTCCGTCCCCCACTGACCGGGCCACTGAGCCTTCCAATCATCGTCTTCATTTTGGaAGCC
CAGTGTCCCGCTTTCCTCTCTTCTCTTAACCTGTTCGCTTCTCTGCACAAACTCAAACTGGCCTTATTCTC

Table 6
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GCCGAGCCTCTTTCCtTGACGTGTGCTCGTCTTGGggaAGCTCTTTCCCACTCCGCGTTCTGTcCCTCAGC
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TTTTgttTTTTTTTCAGTTAggTCTAGCTtTATATTCttggcccatcccttagTAGCGGTAATTTAAATGT
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AGCGTGAATCCGGAAGAAAAGTTCAATCTGGAAACATCAATGCTGCCAAGACTATTGCAGATATCATCCGA
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CAAGATGGTACAGTTTGAGGAGAATGGTCGGAAAGAGATTGACATAAAAAAATATGCAAGAGTGGAAAAGA
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TTAGCTCAGCACTACCTTATGCGGGCCAATATCACAGCCATCCGCAGAGTCCGGAAGACAGACAATAATCG
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gcacaccaaagaccaatgaccacaagcaacaa
Table3 5295
ACGCGGGGGAAGTGGTAgcaGTTCCTCCTAACTCCTGCCAGAAACAGCTCTCCTCAACATGAGAG
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TGACACCTTTCCCACTGACCCCATAAAGGAATCCTCATGGCCACAAGGATTTGGCCAACTCACCCAGCTGG
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Table 6
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TCTTTTGTATTTAAGGATTCTGAGATTTTGCTTGAGCAGGATTAGATAAGGCTGTTCTTTAAATGTCTGAA
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Table3 5297
AGGGAGTCGACCCACGCGTCCGGGCGCCTGTCGGACCCGCAGAGCTCTCGGACTTTCGGAAGCTC
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CCTCAAGAATATTTTAGAACAGATTAATGCGCTCACAGGGACTCTTTTTACTTCTAAAGTCCTAGAAGAAA
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GCTTCGCTTCACTTCACGGCACGTTGCGCCGGCAACTTTCGCTCGCGTACTCGGTGGCTGTCTAGACCTTT
TTCTTTTGTTCTGCGTCACTATACTTCANNNN
Table3 5299
NNNNNNNNNGTCTTAAATTCAGCCTCTTCCTAAAAGCAAAAAAGAAAAAAAAAACCTCACAGAAT
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AAACTTAACCATATTTTTCAAAATTAACGTTTTTGGAGGGAGAAAAATCCCCGCTTGCTAAATGATACTAA
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Table 6
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TTTTCCGCTAATATGTACTTTAGAGAATATTTTGTTCATGCATACTTCCACGTTAAATTGAAAATGTCTTC
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GAAGCTCCATAAGAGAAATTGATAGGACTTCGTTTTTGATCAGTCTGAATAGATACCAATGTCATTGTGTG
GGAATTTTTTTTAACTTGTTTATGTATTATTTTGATCCATTTTTCTGTGGCATTTGGTGCAATAAAACTTT
TGAATTTATCTTGAAAAAAAAAAAAAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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CCGGGGGGGCCCCCAAACTCCCCCAAAGGGGGGTTTATAANNNNNNNNN
Table3 5300
NNNNNNNNNNNNNNNNNNNNNNNTGGTTTCTCACAATGCAGGCGCTCCAGCTCTGACACGTGCACT
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GGCCGAACAGTCAGCTGACGGGGGGGCGGGGGGCTCGACCCGGGN
Table3 5301
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GAGTGCGAGAAGCATTCCCAACCCTGGCAGGTGCTTGTGGCCTCTCGTGGCAGGGCAGTCTGCGGCGGTGT
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Table3 5302
NCAGGGGTAGGAGCGGGAGCCGAGAGGAGGCGGAGGAGATGGCGTCCCAGCCGCCACCTCCCCCC
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Table 6
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CGGGCTGGTGATATGCTGAACTTAGCTCTCAAAGAACAACAACCCAAAGTGCGTGGTTGGCTTCTGGCTAG
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CGTCTTGGCCTCCCAAAGTGCTAGGATTACAGGCGTAAGCCACCATGCCTGGCCAGATGATGTATTTAAAT
ATCACGGA

Table3 5304

NCGCCCCCCGCGCTGCAGGCCGGCTTCTCTGTCCAATGCCCACCCGGAGCTGGGAGGAGGAGTCT
GCGTAATGTGCGTGTGAAGAGACTGGGGGAGCTGGCCGGGGCTCACGGTGTTTGACCCGTCGGTCGTGCGT
GAGAGGAAAGGGAAGGAGGAGGTCCCGAATAGCGGTCGCCGAAATGTTCCGGTGTGGAGGCCTGGCGGCGG
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TGGTGCATCAGGGGGCAAAATCGATAATTCTGTGTTAGTCCTTATTGTGGGCTTATCAACAGTAGGAGCTG
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Table3 5305

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CTTTAAgAATTTCCATTCATTTTAGTTTCCTGCTAATTGACATCTTCACATACATAATATATTGGTATAAA
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Table 6
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AAATATGGGCTGTTGGATTTAGAAAAATAAGATTCTTGAGCGATTCCAGCTGCATTTGTTTATACAGAACA
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CTTTGAGGACAGGCCTCTCCCCGATGCTGCGGATGCTATAGGCAGCACTGGACAGGGGTGCATCTGGAATG
AGCTCTGCGAGCAGGTACCCCGAATACCAGGCACACAAGGAGGCGAAGACCACGAACACCACCTTGAGCAG
GCCTGCAGAGAGGACACCAAGCAGCTGCTGTGAACGACTTGGTGGCGGCCCTGGCCCTTGGCCCTCCCCAT
CCCCCCTGTGGCTTTTCATCCCGGCCCAGCGGaCGCgtGgg

Table3 5307

acccaCGCGTCCGTGTCAAGCATCCCAGAAGGTATAAAAACGCCCTTGGGACCAGGCAGCCTCAA
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CATGGGCAGGAAGTCCTCATCAGGCTCTTTAAGGGTCACCCAGAGACTCTGGAGAAGTTTGACAAGTTCAA
GCACCTGAAGTCAGAGGACGAGATGAAGGCATCTGAGGACTTAAAGAAGCATGGTGCCACTGTGCTCACCG
CCCTGGGTGGCATCCTTAAGAAGAAGGGGCATCATGAGGCAGAGATTAAGCCCCTGGCACAGTCGCATGCC
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cgagttcgattcac

Table3 5308

NNCCTGTATAACGGGGTGCTCAAACACCAATTTTTCTCAGGATTACTGAAAAACTTAAATATACA
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Table3 5310

NNCGCATATTTGGCCTGGGCCCCTTGGGCGCCCGTGGCCCCTAACCTCTTGGGGTGTCACACGCC
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GACATCAGCCAAAAAAAAAAAGTAAGGACCTCTGAAAATCATCTTCACAAAAAGAATGAAAACATGGACAA
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GAAAAATAGCTGAATATCAGCAAGAACAGTTATCTTCATGGTGTTTTAATTTGCGCTGTACCCATCAGAAC
TGCATGATCAGCTGTATGGTAGCCTTGAAAACCAACAGGCCACAATCACAGTGAAAACCTCAGGTTGGCAG

Table 6
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CCACTGGAGGATACAAAATGAGTTTGGATCTCCTTCAATGCCCCATTCCCAGAGAACTGTCATTATTTGAC
CTGCTGGTAGTTCCCTAAAGGACGTGCAAGGATGTTTTTATTTGACTGGACACTTGAAGCTTGCCCTGTAT
GAACAGCCCCCATCTTCCCATGCTTGTCAAAAATCAGAGGCAACTAACACTGCGGCTTCCTGAGAGTCTCA
CTCTGTCACCCAGGCTGGAGAGCAATTGCACAAACACTTGGCTCACTGCAGCCTCAACTTCTTGTCCTCAA
GTGATCCTCCCACCTTAGCCTCCTAAGTAGCTGGGACCACAGGTAAGCACCACCATGCCCTACTANNNNNN
NNNNNNNNNNNNNN
Table3 5311
AGGGAGTCGACCCACGCGTCCGCTGATGAAGAGGAAGAAGTCAAGCCGATCTTGCAGAAATTGCA
GGAACTCGTGGATCAGCTCTACTCATTTCGAGACTGCTATTTCGAGACACATAGTGTTGAGGATGCTGGGA
GGAAGCAACAGGATGTGCGGAAGGAGATGGAGAAAACCCTACAGCAGATGGAAGAAGTAGTGGGTTCTGTC
CAGGGCAAGGCACAAGTTCTAATGCTAACTGGGAAAGCACTAAATGTGACTCCTGACTATAGCCCTAAGGC
TGAGGAGCTTCTGTCAAAGGCTGTGAAGCTGGAGCCCGAGCTGGTGGAAGCCTGGAACCAGCTGGGTGAGG
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AAAGTCTCCTTGCAAAACCTGTCAATGGTGCTTCGTCAGCTGCGGACTGACACTGAAGATGAACATTCTCA
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ACCCTGCCTGGCCAGAGCCCCGGCAACGAGAGCAACAACTTCTGGAATTCCTGGATAGATTAACCAGCCTC
CTTGAGAGTAAGGGAAAGGTGAAGACCAAAAAGCTGCAGAGCATGCTGGGAAAGCTTTGGGCCAGCCCAAT
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CGCTCACGCCGGGGTGAAACGGGGTGCCGCTCCGGAAGGGGGATTACTCACAAAAAGAAAATCCTTATTGG
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Table3 5312
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TGTTTGCTCCTCGTCCATCCACCGGTCCCCACAAGTTGAGAGAGTGTCTCCCCCTCATCATTTTCCTGAGG
AACAGACTTAAGTATGCCCTGACAGGAGATGAAGTAAAGAAGATTTGCATGCAGCGGTTCATTAAAATCGA
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AGAATTTCCGTCTGATCTATGACACCAAGGGTCGCTTTGCTGTACATCCGTATTACACCCTgCAGGGAGGC
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CTGGCAAGATTACTGATTTCATCAAGTTCGACACTGGTAACCTGTGTATGGTGACTGGAGGTGCTAACCTA
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CAATGGCAACAGCTTTGCCACTCGACTTTCCAACATTTTTGTTATTGGCAAGGGCAACAAACCATGGATTT
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GTGGTCATAAATGGGCTGTTGATGTTGcaaagcattgcagttccttggacttagtgcccttattctccagc
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Table3 5314
NNGGCGAAGAGGCCTGGCGCTGCCGCTCCCGCGCATGCTCCCTGACTTCACCAAGGTCACGCTGC
AGCCCGCAGGAATGAAAATCCACTTCTCCGCATTTTCGAGGTGACCTGGAAGCGGTTCAACTGCTCTGGCT
TCTCAGAAGAGGAGGGGACCGGGCGGTAACGAGGAGCCAAGGGGAGGAGACTGCTCGCAAAACCCCGGAAA
AGCTTTCCCGATCCACTCTGCCAGCCTCCGTGCGCCTCCAGACATGCGCAGTAGCCTCCCCCGCGGTGGCG
GCGGCGGCGGCGGTGGCTGCCGTGGCGGCTGAGAGTCCAGAGCCGGACGTTCCGGCCGCTTCGGGCTGGCG
GCTGGAGAGCGCTCGGGTCATGTCTGCCCAGGGGGACTGCGAGTTCCTGGTGCAGCGAGCCCGGGAGTTGG
TGCCGCAAGACCTGTGGGCAGCCAAGGCGTGGCTGATCACGGCCCGCAGCCTCTACCCGGCAGACTTTAAC
ATCCAGTATGAGATGTACACCATCGAGCGGAATGCAGAGCGGACCGCCACCGCCGGGAGGCTGCTGTACGA
CATGTTTGTGAATTTCCCAGACCAGCCGGTGGTGTGGAGAGAAATCAGCATTATTACATCAGCATTAAGGA
ACGATTCACAGGACAAACAAACCCAATTTTTAAGAAGTTTATTTGAAACTCTTCCTGGTCGAGTCCAGTGT
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GAGGCGCTTCCCTGAAACGGTGGTGCAGCATGGGGTTGGCCTTGGGGAGGCACTATTAGAGGCTGAAACTA
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AACAACCATGATGTTCGATTACCTGCCAATTTATTGTATAAGTACTTGAACAAAGCAGCTGAATTTTATAT
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Table 6
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CACCTAGCAAACGTAGCTCTCAGAAGTACATAATAGAAGGGCTGACGGAAAAATCATCCCAGATCGTGGAC
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GTCAACAGCATACAGCCATCTCTCTTCCAAGGTCCTAATGCCCCGAGCCAAGTTCCACTGGTTCTTCTTGA
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AGCCTGCATCACTTAGCAGCTCTCCAGGGATCCATTTCTCAGCCACAGATCACAGGGCAGGGGACCCTGGA
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AAGTCCTTGATTTGATGTGCTACATGGTACTCCCCATTCAAGATGGAGGCAAATCCCAGGAGGAACCCTCG
AAAGTAAAGCCCAAATTTAGAAAAGGTTCGGATCTGAAGCTCCTGCCTTGTACCAGCAAGGCTATCATGCC
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TGGGGCATGTGATTGTGTTGCTTCAGCAAGAGTGGCCACGGGGCGAGAATCTTTTCCTGAAAGCTGTCAAT
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GGAATTTGCCTACTTGAGAACTCAGGAAGGTGGGAAAATTCATCTGGAATTACTACCCAATCAAGGAATGC
TGATCAAGCACCACACTGTAACTCGAGGCATCACCAAAGGCGTGAAGGAGGACTTTCGCCTGGCCATGGAG
CGCCAGGTCTCCCGCTGTGGAGAGAATCTGATGGTGGTTCTGCACAGGTTCTGCATTAATGAGAAGATCTT
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TGAGTTCTAACTCCTTGGTTGCTTAAAAGTAGTTCCCAAGAGTCTGAGAAGCTATTTCTATTTTTAAGAGT
CATTTTTTGTAATTTTTGTAAAACAAAAGTACCAATCTGTTTTGTAAATAAAAATCATCCTAAAATTTGAA
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TTATGCATGCGGCCGCAATTCGAGCTCACTTGGCCAATTCGCCCTATAGTGAGTCGTATTACAATTCACTG
GGCCGCGTTTTACAACGTCGTGACTGGGCTGGCGTATAGCGAAGAGGCCCGACCNN
Table3 5315
NACGCTAGCGCCGCCCAGGCTGGCACAAAGGAGGAGGCCTAGTCCCGCCCCTGCGTGCGGCGCTT
CTCCCAGGCCCCACCTTCCATCCAGTGCCCTGGACCCTCGGCTGGGTAGCGCCACCAGAGCGACCAAACGT
CCCGCGCCTTCCAGGCCGCACTCCAGAGCCAAAAGAGCTCCATGGCGGCGGCGGCCAAGCCCAACAACCTT
TCCCTGGTGGTGCACGGACCGGGGGACTTGCGCCTGGAGAACTATCCTATCCCTGAACCAGGCCCAAATGA
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GGAATTTTATTGTGAAAAAGCCCATGGTGCTGGGACATGAAGCTTCGGGAACAGTCGAAAAAGTGGGATCA
TCGGTAAAGCACCTAAAACCAGGTGATCGTGTTGCCATCGAGCCTGGTGCTCCCCGAGAAAATGATGAATT
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TCTGCCGGTTCTATAAGCACAATGCAGCCTTTTGTTACAAGCTTCCTGACAATGTCACCTTTGAGGAAGGC
GCCCTGATCGAGCCACTTTCTGTGGGGATCCATGCCTGCAGGAGAGGCGGAGTTACCCTGGGACACAAGGT
CCTTGTGTGTGGAGCTGGGCCAATCGGGATGGTCACTTTGCTCGTGGCCAAAGCAATGGGAGCAGCTCAAG
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CCTAAATCGCATCATGCCAACTTGTGACTTTGAGACTATTCATCAGATGAGTATGTGCATCATCGTGGCTA
CCTTATCTTATTGCATGTGAAGTAGTTAGAGCTGTTCTGACTGGACGTTCCTTGGCGGGGTTGTTGGGGGG

Table 6
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GGATGTGTGTGAAAAATATTCGGCCGTTGGGGGTTCCGGCCGCTGCATGGCATCCTACGCCTCGTGGGGGC
CCCTTTGAGCGCGCGGTGGCCCGTCTTCTCGGTCCAAGGCCGCGCCN
Table3 5318
ACGCGGGGGGGCAGAAGGAGGCTTTAAAGCGCCTACCCTGCCTGCAGGTGAGCAGTGGTGTGTGA
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TTAAGACCATGATGATCCTCTTCAATTTGCTCATCTTTCTGTGTGGTGCAGCCCTGTTGGCAGTGGGCATC
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CTAAGACTGAGAGCAAGTGTGCCCTCGTGACGTTCTTCTTCATCCTCCTCCTCATCTTCATTGCTGAGGTT
GCAGCTGCTGTGGTCGCCTTGGTGTACACCAccaATGGCTGAggcACTTCCTGACGTTGCTGGTAGTGCCT
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AGTGCTGTGGCTTCACCAACTATACGGATTTGAGGACTCACCCTACTTCAAGAGAAAGTGCCTTCCCCaTg
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caggaagagcacgggacgcgagccgaggccgcgacgcaca
Table3 5319
CCGCCCGGGCAGGTACGCTGTGGAGTCTCCTCCAGATCGCAGCTGAAGGATCTGTTGAGCGCTTC
AGGAAAGGCGGACAGGCGACACTAACAGGTGAAGATCTCGGGAGACCATGACTAAGAAAAGAATTGCTGTG
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TGAAAGGACTGATGACATCGGAGGGCTCTGGAGGTTCCAGGAAAATCCTGAAGAAGGAAGGGCCAGTATTT
ACAAATCAGTGATCATCAATACTTCTAAAGAGATGATGTGCTTCAGTGACTATCCAATCCCAGATCATTAT
CCCAACTTCATGCATAATGCCCAGGTCCTGGAGTATTTCAGGATGTATGCCAAAGAATTTGACCTTCTAAA
GTATATTCGATTTAAGACCACTGTGTGCAGTGTGAAGAAGCAGCCTGATTTTGCCACTTCAGGCCAATGGG
AAGTGGTCACTGAATCTGAAGGGAAAAAGGAGATGAATGTCTTTGATGGAGTCATGGTTTGCACTGGCCAT
CACACCAATGCTCATCTACCTCTGGAAAGCTTCCCTGGAATTGAGAAGTTCAAAGGGCAGTACTTCCACAG
TCGAGACTATAAGAACCCAGAGGGATTCACTGGAAAGAGAGTCATTATAATTGGCATTGGGAATTCTGGAG
GGGATCTGGCTGTAGAGATTAGCCAAACAGCCAAGCAGGTTTTCCTCAGCACCAGGAGAGGGGCTTGGATC
CTGAATCGTGTAGGGGACTACGGATATCCTGCTGATGTGTTGTTCTCTTCTCGACTTACACATTTTATATG
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Table 6
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AAACATTTGAACAATTGCCGGCCCTTTCACCGAATTTACCTGTGGAATGCCTTTTGAGAGTTAGAGAACTG
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AATATTCATCAATTTACCATATCTTGTTCTTATATTAAAATGTTCTATCATTTTCCTAATTATTTTAAAGT
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CTACTTCTCTAGTGTGAGCTGAATAGTGACTTCCTTCCAAAAATTACATATGGAAAGGGGGAAAATAACTT
TGTAGTGGAGAAATCTGATAAACACTATCTCGGCTAGGTTATCAAGATTAACACTAACAGTAATAAGTCAC
ACTGATAGTATGTACNNNN

Table3 5320

NNCCTGTATAACGGGGTGCTCAAACACCAATTTTTCTCAGGATTACTGAAAAACTTAAATATACA
GGCCAGGTGTGGTGGCTCACTGCCTGCAATCCCAACATTTTGGGAGGCTAAGGCGGGCCGATTTCTTGAGC
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Table3 5321

NNNNAGCCCACCTGCTATGAGTACATGGTTCGAAGCCACTATGTAACAGAAACACTCTCTGAAGA
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ATGTCATCAACACCTGCGGGCAAGACTTTCCCCTGAAAACCAACAGGGAAATAGTTCAGTATCTGAAGGGA
TTTAAAGGGAAAAATATCACCCCCGGAGTGCTGCCTCCTGACCACGCTGTTGGACGGACTAAATACGTCCA
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Table3 5322

ctgtttcctgtgtgttatacaacggccagtaacactgggccatcgctgttccttgTGatgaaAaA
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GCCTGTCAGAGCCTGCCAAGATCACAGATGTTGTGAAGGTCCTGGGCCTGCCCACCCAGGAGCCAGCACTG
GGGACCACCTGCTACGCCCCAGGCTGGGGCAGCATCGAACCAGAGGAGTgagtcttcagtgtgtgagcctc
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AATTCACCCATTCCTGTGTTGAGCACATGCTTACTGGGCACCTGCTAcgtGACCAGCATTGCCgtagaCCC
TGGGAAGcagcagtgaaCaGtCaggagcTgTGGAtggTgCtGGACagaaaaatgAcAgggCCTggctcagg
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gccctgccttgaaaagcctgctgtg

Table3 5323

NGTAGAGATGCTGGCACTCTGAACCCTTGCATTGCTGAGGATCCAAGAAGACGGTCACATTTGCT
GAGGACAAAGGTCTTTTAGGGGTTAAGGGATGCCATAATATGCTGTTGTAGGTAGAATGCCAGGTGTTTCA
CAAAATCTTTGGGTAGAAACTTTTCCCAGTTTATACTTTATATCAATTTAGGTTGATATGCAACTGTATTC
TTGTTTAGCAAATAGAAGAAGCTTGAATTTCTAGATTTGTTCGATCCATATGTGCATTCTCAGTCCTTGGA
AATCAGCATGGAGCCAGGAGGACCACTACACTCTGAACATCAGATCAATAGCACAGTGGATTAGCCTCCAG
GAATTCTAGTCTCCCCCGCGN

Table3 5324

ccggcgcggttgaggccttcggtggtgaACGAGTCTCCAGCACCATGTCTGGTTTGTCTGGCCCA
CCAGCCCGGCGCGGCCCTTTTCCGTTAGCGTTGCTGCTTTTGTTCCTGCTCGGCCCCAGATTGGTCCTTGC

Table 6
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CATCTCCTTCCATCTGCCCATTAACTCTCGCAAGTGCCTCCGTGAGGAGATTCACAAGGACCTGCTAGTGA
CTGGCGCGTACGAGATCTCCGACCAGTCTGGGGGCGCTGGCGGCCTGCGCAGCCACCTCAAGATCACAGAT
TCTGCTGGCCATATTCTCTACTCCAAAGAGGATGCAACCAAGGGGAAATTTGCCTTTACCACTGAAGATTA
TGACATGTTTGAAGTGTGTTTTGAGAGCAAGGGAACAGGGCGGATACCTGACCAACTCGTGATCCTAGACA
TGAAGCATGGAGTGGAGGCGAAAAATTACGAAGAGATTGCAAAAGTTGAGAAGCTCAAACCATTAGAGGTA
GAGCTGCGACGCCTAGAAGACCTTTCAGAATCTATTGTTAATGATTTTGCCTACATGAAGAAGAGAGAAGA
GGAGATGCGTGATACCAACGAGTCAACAAACACTCGGGTCCTATACTTCAGCATCTTTTCAATGTTCTGTC
TCATTGGACTAGCTACCTGGCAGGTCTTCTACCTGCGACGCTTTCTTCAAGGCCAAGAAATTGATTGAGTA
ATGAATGAGGCATATTCTCCTCCCACCTgtgtaacTCAGCCAGCAGAACATCGCTGGGACGTGCCTGGCCT
AAGGCATCCTACCAACAGCACCATCAAGGCACGTTGGAGCTTTCTTGCCAGAACTGATCTCTTTTGGTGTG
GGAGGACATGGGGTACGCGGGGATTCCAGGCTCTTCTGTGCCTGTGGGACTACATTCTCTGTGCCGGGCTT
AGAGAACACGAAGAGGGAGCCATCTGCCACACTCTGGAGGCTGAAGCCTGCACCAGTGCTGCTCGCCTCAC
TGTGGTAGGTGGTGGTGATGGAAACTGCAGATCGGCCAGAGTGGTAGAAAAGTTGCTGCAGGGTTTTTCTG
GCTTTGCCTGCCCAGCCGCTCCATGCCTGGCTAGAGGAGAAGGAGGAGCCACATGTGGTACACTGGAGGCT
GGAGCCTGCAGATGGCATGGCTCTGCGGCTCACCTTGCTGCAGTTGGTGGTGGTGACAGAGACTGCAGCTT
GACTGTAGTGAATTTGGAAATTATCTGTCTGGAAGCTCTGAGTTTATCTTGGGACCTCAAGAGGAGAGGAT
CACCCAACTCACAGCAATCAAACTCCAAATGGTGCTATAAACTGAACCACACATGGACACGTCAGTCTTCC
GAGGACCCTTAGATCAACCCCAGGAGGAGCCCTAGCTGCTGTTCCCCATTCGACGCCCCTTTCCAGCAGGA
AGTAGCCAGAAGACATCGTCGCCCAAACCTCTAACAGCAGTTAGTGCGGCATCTCCACAGGGGGGAATGTT
GTAGGAGTTATTGATAAATTATTTTAGGCAGATAGAGAGGAAAAGGGGTCCTTAGGAAGTTTTTGTTTTTT
AAAGCACGTCTGGAAAAGTTTCTTGTAAAGCTCCAGCTCTTAAAGCCAGGCCAGTTACCCGATATCCAAAT
GCCAGCCATTAGAAAGTGGGTCCACCCAAACATGGCGATTCCTGTGGACTTCTTGCCCTTTCCCCACATTC
CTGGATACATGGACACCCCGAAGTATCCCCACCTGTGTAGAAGATCATGGTGCCCTGCATTTGCATATTAA
AAGGCTAGGGTGGGAGAGCCAGCTTTTCCTGCGGGCTACGTGAATGACATGCCTAGTCAAACCAATCCCCT
GAGCCTGTGCAAATCAGACACTGCCTCCTCCAGCCTCTGTATATATACCTAGCTGGTATCTGTGGCAGGTG
GGGTTCCCTCTCTTGGCTTTGGGGCCCCCCTTCCTCTGTCTCTGTACCTGCCCgggcggCCGCTCGACTCC
CTGCTCCTCTCCCTATATTACTGATTGCACTGAACAGCATGGTCCCCAATGTAGCCATGCAAATGAGAAAC
CCAGTGGCTCCTTGTGGT

Table3 5327

GGGCTCGGGCTGGCGGGTCGCGGGTTCCTTATCCTCCGCCTTGGCGCCTCTCCGCCCACCGCCCA
CCGCCCCTCCCTGGCATTGGTTGGCCCCGGGGAGCCGAGGCTCCATCCTTTCTGCGCAGGTTCCCGCCGCA
CTCGCGCAGGACTCGCGCAGACCTAGCGCGTCCAGGTGGGAGGTTAGTGTGGCCCGGGCGTCCGCTCCTCA
GCGGATGTGGCAGCCCCGAGCCATGGCTCTCGCCGTCCGAGTCGTTTATTGTGGCGCTTGAGGCTACAAGT
CCAAGTATCTTCAGCTCAAGAAGAAGTTAGAAGATGAGTTCCCCGGCCGCCTGGACATCTGCGGCGAGGGA
ACTCCCCAGGCCACCGGGTTCTTTGAAGTGATGGTAGCCGGGAAGTTGATTCACTCTAAGAAGAAAGGCGA
TGGCTACGTGGACACAGAAAGCAAGTTTCTGAAGTTGGTGGCCGCCATCAAAGCCGCCTTGGCTCAGGGCT
AATGCGCCCTGAAGGCAGAGTCCAGGGACCTTGACCCAGCCCCTCTCAGCAGACGCTTCATGATAGGAAGG
ACTGAAAAGTCTTGTGGACACCTGGTCTTTCCCTGATGTTCTCGTGGCTGCTGTTGGGGGCAGAGATTGAC
GCCCCCGGTCTTTGCCTCTGAGCGGGAGAGTCTGTGTGTATGTGTCTTCCCCGGAATCCACACCACCCAAC
CAGTGACTCCCGGGTGCCCGATGGCACACCATCAATACATGTCCTGGTGGGATATACCCCAAATGTAATAC
CCAACAAGCTAGGAACCACACATGGAAGATCTGCAGCAGCGCAAATCACCGGGCATACAGGATCCCAACAA
CCACGAAGGACAGCCAAGCGAAACCGCCCATCACAGCCTAGCGCGCGACGCTACGCCCTGACTATGAGGGC
AACGCATGCGCAACCCGCTATCCGCCCCGCCACCTACACGATAGCGCTGCGAATTAGCCCAGACGCAGTAC
AGCACCCGCCACCACACCGGCGGCCGCGAACTCATCAGAGCCCCGCACAAGGGCCCACCGATCGCGAGCAG
AACAGACAGGCACACAAGCGCGCCGCCTCAAGGTGCCGCCTCTTCAACTCGACCCATCGTAGGTGACTTCT
GAACCTTAACCGCGACCCCGCCACGCGGCCTCCGCGCGCGCGCCGTATCTGGGGCGTGCGCAAAAGCGCCC
ACGCAGCGGCATCAGCCTTAGGCGTCAGCGTCTCGGCGACGCGCACCCGGACCCGACGCAGTCGCGCGATT
AAGAATCACGGCCGAGCGTCCGTCAGACGGCGCGGCCCAGCNNNNN

Table3 5328

NNNCGGCACCAGGGGCAGGACCTGGCCGCGTTTCCCGCAGAAAAGGAAAGCGAATGGAAAGGCTC
ATTCTACTTCATCCTGGGCGCAGACCACGAGTTTGGGCTGATCAAGGCCTGGTCCACTGGGGACTGTGACA
ATGGCGGTGACGAATGGGAACAGGAGATCCGTCTAACTGAGCAAGCCGTCCAGCCATCAACAAGCTGAACC
CCAAACCCAAATTCTTCGTTCTGTGCGGCGACCTCATCCACGCCATGCCAGGTGTCAGAGTCGTGTTCTCA
GGCCACTACCACAGGAATGCCGGGGGTACCTACCAGAACCTCGACATGGTGGTGTCATCTGCCATTGGATG
CCAGCTGGGCAGAGACCCCCACGGGCTCCGAGTCGTGGTGGTCACCGCCGAGAAAATTGTTCACATCCACA
TTCTGGCTGTGTAGCCACTCCACAGATGGGTGGTCTCTTGGGATCAGAATGCCCCTCCACTCATGAGACTC
TTCATTTTGTCCACTTTGACAGGAAAAGTGGGAATGTATGCAGAGCTCTCAAAAGAAACAAAAAAGGCCAA
AACGGTGCCTTCAGCCACATCCTCTGAATTGGCCCTGACTTGGGACTAAATGCACTAATGCAAAATCCCTT
GACAAAAGCGCATAGGGTATTTCAAACCAGCATTGTTTTTTATGTAACCTGGTTTACCGCATCTTCTCAGG
CAGCTTCTGACCACTTGCTCAATTTTTCTTCCTTTTACAGCCATGTTCTTGGNGGGGNCAAATTACCNCGG
GGGACTTCCAANTCGGGGGGGGGGGNAAATTTTNCAGGCNTTTTTTGGNAACAGGCANN

Table3 5330

NNAAGGAAAAAGAGCAACAGATCCAGGAGCATTCACCTGCCCTGTCTCCAAACAGCCTTGTGCCT
CACCTACCCCCAACCTCCCAGAGGGAGCAGCTATTTAAGGGGAGCAGGATCCCCCGAGCTGCAGGACTTGG

Table 6
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CACGGGGATACAACTCTGGAGTCCTCTGAGAGAGCCACCAAGGAGGAGCAGGGGAGCGACGGCCGGGGCAG
AAGTTGAGACCACCCAGCAGAGGAGCTAGGCCAGTCCATCTGCATTTGTCACCCAAGAACTCTTACCATGA
AGACCCTCCTACTGTTGGCAGTGATCATGATCTTTGGCCTACTGCAGGCCCATGGGAATTTGGTGAATTTC
CACAGAATGATCAAGTTGACGACAGGAAAGGAAGCCGCACTCAGTTATGGCTTCTATGGCTGCCACTGTGG
CGTGGGTGGCAGAGGATCCCCCAAGGATGCAACGGATCGCTGCTGTGTCACTCATGACTGTTGCTACAAAC
GTCTGGAGAAACGTGGATGTGGCACCAAATTTCTGAGCTACAAGTTTAGCAACTCGGGGAGCAGAATCACC
TGTGCAAAACAGGACTCCTGCAGAAGTCAACTGTGTGAGTGTGATAAGGCTGCTGCCACCTGTTTTGCTAG
AAACAAGACGACCTACAATAAAAAGTACCAGTACTATTCCAATAAACACTGCAGAGGGAGCACCCCTCGTT
GCTGAGTCCCCTCTTCCCTGGAAACCTTCCACCCAGTGCTGAATTTCCCTCTCTCATACCCTCCCTCCCTA
CCCTAACCAAGTTCCTTGGCCATGCAGAAAGCATCCCTCACCCATCCTAGAGGCCAGGCAGGAGCCCTTCT
ATACCCACCCAGAATGAGACATCCAGCAGATTTCCAGCCTTCTACTGCTCTCCTCCACCTCAACTCCGTGC
TTAACCAAAGAAGCTGTACTCCGGGGGGTCTCTTCTGAATAAAGCAATTAGCAAATCATGTAAGAATAAAA
AACACAAGAAAGAAAAAAAGTTTTGGCCTAAATGAGTCGTATTACAGTTGACGCGGCCGGCGAATTTAGTA
GATGGTGTAATTCGACCCGAGAAATTCCGGAACCGGAACTCTGAGGGGTGACAAGTTTCCCCAAGAGCGGC
GGATTAAGGCTTGGGCGGACAAANNNNNNN
Table3 5331
ggGaTTAGAGCCACTACATAGAATAGTCTCTTACAGATTTTCATAAATACTAGTCACAATAAGGG
TATTTTTCTTGGGGGTGGAGTAAGGGGGAGACTGATGCTAGTCCTTGTTGTATTTTGTTGGGCTGTCCTTG
TGTATTTTCACCCCAGCCTGTAGTCCTCCTCACTTCAACCCCAGGGATTTGTGGGGAGCAAGGGTAGCCAA
TGGCAGAGGGGGTTGGGGCTGGGACTCTGGAGGCTCCTCCCCTTCTTTCTCTTCCTTCTGCCTCCCCCGTG
CCCCCAGCTGCTCTTGTCACTGTCTCTGATGGGTATTTGCCTGGCTTTGTTGCTTCTCTATCTGTATTTAG
CTGCAGTGATCCTTTAGCTGGTTGGCTCAGAAAAAAAAAAAATGTGCTTTAGGTGCCCTGTAATCCTGGGC
ATCAAGGGAATCCATCCTTCCCCTTTTTGATATGTTCTCCCCGTACTTCCAGATTTATTGTTATGGCTCCC
AGTGGGTATTGGCGATTCTTGTGATGCAGGGCCTCAGTCAGTGTCCAGCCATGCATAAGGGAGAGGATAGT
GTGTACCTGCCCTGCCCTCTGCTATGAAGGTCTCTGCCTTGTGGATCATGGGACTCCCCTTGGAGGATCTG
TGCAAAGGGGGGCTGGGCACAAAGGAGAATGTCCTATTTGGGAGGGCAGGAAGCAAAGGAACTGGACAGGG
ATTGGTGGGCTTGGGGAACGGAAGTTTATCTTGGATACCCTTGAAGAGGCTGGGTCTCTTCACATGAAGAT
CGAAAAGGGACCCTGCTTCCAATTTCCCTCTTCCATTCCTCGAGCTACTCCAGGGCTTAGAAGAATGCTCT
TGGTCTGTGGGTCCAGTGTTGTCTGTCATCCATTTAAGTGTTCCCACTTTCAAGTGACAATCCTCTCCTTG
GCCCTGCCATAGGGCAGAGCATGTCTGGCATAGCAGCCTGACTTTTATGCCCTAATCTTGAGTTGAGGAAA
TATATGCACAGGAGTCAAAGAGATGTCTTTATATCTGACTGTATATAAATGAAGTTTTTTTGTTTTTTTTG
TTTTCCTTTTTGGTGCAATAAAGTTTGTTTTGACAAAAAAAA
Table3 5332
NNTACATGGTGGCCAATCAAACAGGCCACACCCTTGTTGCAAGTCCCGCGAGAGGTTCAGAGAAC
TCTCCCGTTTTACTTCTGCCTCAGGCCTCACCCGCCACAGGAAGTGGAACTCTATACCTCCACCTCGCCTG
GCTGGGTGGAGCCTCTAAACTCAGGATTCTGCCTTGAGCTGTGGCTCTCCCCTCAGGTTGACAGGGTCCAG
AGCAAAACCTACGGAAGAAGCTGCAGAGGCCAGGTGGAGGGAAGGATGCTGAACTGGAGGAGGCCAGGAAA
TTATGAGGTACACCAATCAAACATAGTGTGTCCAGAATTGGTGGGTTCTTGGTCTCACTGACTTCAAGAAC
GAAGCTGCGGACCCTCACGGTGATTCTAAGCACATTAAAATCTGGATGACACTTATCTGAATCATTTCGCA
ACTTGGAGAGAGATGGAGAAGACACGCATGGTGTAACTGGGCATCACCAGAATGTGCACTGCCATCTGTGG
CTGTCTTCCTGCTGGCAAATCCTTTTCATTCCAAGCAAATAAGATTCCCTAAATTAGACAAAAAGGAAGAA
ACACAACAGAGTCCATAATTCTGAGAGGAAGAAGAGTGATCATCAGCAGCAAAAGGCAATTGCAGAGAA
GCACCACCAAGAGCCAGCTTCATGCTCAGGAGTGAATGCTGAGCCGCCTCCTCGTGGTTTCCGGTGCTCCA
CATGTTCAGAGAAACTTCTCTGGTAAGAAACTATAGAAATGGTGCATGGAAGTGTTACTAGAAAGGGTTCC
TGANNN
Table3 5333
ACGCGGGGGAAGTGGTAgcaGTTCCTCCTAACTCCTGCCAGAAACAGCTCTCCTCAACATGAGAG
CTGCACCCCTCCTCCTGGCCAGGGCAGCAAGCCTTAGCCTTGGCTTCTTGTTTCTGCTTTTTTTCTGGCTA
GACCGAAGTGTACTAGCCAAGGAGTTGAAGTTTGTGACTTTGGTGTTTCGGCATGGAGACCGAAGTCCCAT
TGACACCTTTCCCACTGACCCCATAAAGGAATCCTCATGGCCACAAGGATTTGGCCAACTCACCCAGCTGG
GCATGGAGCAGCATTATGAACTTGGAGAGTATATAAGAAAGAGATATAGAAAATTCTTGAATGAGTCCTAT
AAACATGAACAGGTTTATATTCGAAGCACAGACGTTGACCGGACTTTGATGAGTGCTATGACAAACCTGGC
AGCCCTGTTTCCCCCAGAAGGTGTCAGCATCTGGAATCCTATCCTACTCTGGCAGCCCATCCCGGTGCACA
CAGTTCCTCTTTCTGAAGATCAGTTGCTATACCTGCCTTTCAGGAACTGCCCTCGTTTTCAAGAACTTGAG
AGTGAGACTTTGAAATCAGAGGAATTCCAGAAGAGGCTGCACCCTTATAAGGATTTTATAGCTACCTTGGG
AAAACTTTCAGGATTACATGGCCAGGACCTTTTTGGAATTTGGAGTAAAGTCTACGACCCTTTATATTGTG
AGAGTGTTCACAATTTCACTTTACCCTCCTGGGCCACTGAGGACACCATGACTAAGTTGAGAGAATTGTCA
GAATTGTCCCTCCTGTCCCTCTATGGAATTCACAAGCAGAAAGAGAAATCTAGGCTCCAAGGGGGTGTCCT
GGTCAATGAAATCCTCAATCACATGAAGAGAGCAACTCAGATACCCAATGATGTTAGCTGTGGAAGCTACA
AAAAACTTATCATGTATTCTGCGCATGACACTACTGTGAGTGGCCTACAGATGGCGCTAGATGTTTACAAC
GGACTCCTTCCTCCCTATGCTTCTTGCCACTTGACGGAATTGTACTTTGAGAAGGGGGAGTACTTTGTGGA
GATGTACTACCGGAATGAGACGCAGCACGAGCCGTATCCCCTCATGCTACCTGGCTGCAGCCCCAGCTGTC
CTCTGGAGAGGTTTGCTGAGCTGGTTGGCCCTGTGATCCCTCAAGACTGGTCCACGGAGTGTATGACCACA
AACAGCCATCAAGGTACTGAGGACAGTACAGATTAGTGTGCACAGAGATCTCTGTAGAAAGAGTAGCTGCC

Table 6
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CCTTCTCAGGGCAGATGATGCTTTGAGAACATACTTTGGCCATTACCCCCAGCTTTGAGGAAAATGGGCTT
TGGATGATTATTTTATGTTTTAGGGACCCCCAACCTCAGGCAATTCCTACCTCTTCACCTGACCCTGCCCC
CACTTGCCATAAAACTTAGCTAAGTTTTGTTTTGTTTTTCAGCGTTAATGTAAAGGGGCAGCAGTGCCAAA
ATATAATCAGAGATAAAGCTTAGGTCAAAGTTCATAGAGTTCCCATGAACTATATGACTGGCCACACAGGA
TCTTTTGTATTTAAGGATTCTGAGATTTTGCTTGAGCAGGATTAGATAAGGCTGTTCTTTAAATGTCTGAA
ATGGAACAGATTTCAAAAAAAAACCCCACAATCTAGGGTGGGAACAAGGAAGGAAAGATGTGAATAGGCTG
ATGGGCAAAAAACCAATTTACCCATCAGTTCCAGCCTTCTCTCAAGGAGAGGCAAAGAAAGGAGATACAGT
GGAGACATCTGGAAAGTTTTCTCCACTGGAAAACTGCTACTATCTGTTTTTATATTTCTGTTAAAATATAT
GAGGCTACAGAACTAAAAATTAAAACCTCTTTGTGTCCCTTGGTCCTGGAACATTTATGTTCCTTTTAAAG
AAACAAAAATCAAACTTTACAGAAAGATTTGATGTATGTAATACATATAGCAGCTCTTGAAGTATATATAT
CATAGCAAATAAGTCATCTGATGAGAACAAGCTATTTGGGCACAACACATCAGGAAAGAGAGCACCACGTG
ATGGAGTTTCTCCAGAAGCTCCAGTGATAAGAGATGTTGACTCTAAAGTTGATTTAAGGCCAGGCATGGTG
GTTTACGCCTATAATCCCAGCATTTTGGGAGTCCAAGGTGGGCAGATCACTTGAGCTCAGGAGCTCAAGAT
CAGCCTGGGCAACATGGTGAAACCTTGTCTCTACATAAAATACAAAAACTTAGATGGGCATGGTGCTGTGT
GCCTATAGTCCCACTACTTGTGGGGCTAAGGCAGGAGGATCACTTGAGCCCCGGAGGTCGAGGCTACAGTG
AGCCAAGAGTGCACTACTGTACTCCAGCCAGGGCAAGAGAGCGAGACCCTGTCTCAATAAATAAATAAATA
AATAAATAAATAAATAAATAAAAACAAAGTTGATTAAGAAAGGAAGTATAGGCCAGGCACAGTGGCTCACA
CCTGTAATCCTTGCATTTTGGAAGGCTGAGGCAGGAGGATCACTTTAGGCCTGGTGTGTTCAAGACCAGCC
TGGTCAACATAGTGAGACACTGTCTCTACCAAAAAAAGGAAGGAAGGGACACATATCAAACTGAAACAAAA
TTAGAAATGTAATTATGTTATGTTCTAAGTGCCTCCAAGTTCAAAACTTATTGGAATGTTGAGAGTGTGGT
TACGAAATACGTTAGGAGGACAAAAGCAATGTGTAAGTCTTTAATGCCGATATCTTCAGAAAACCTAAGCA
AACTTACAGGTCCTGCTGAAACTGCCCACTCTGCAAGAAGAAATCATGATATAGCTTTGCCATGTGGCAGA
TCTACATGTCTAGAGAACACTGTGCTCTATTACCATTATGGATAAAGATGAGATGGTTTCTAGAGATGGTT
TCTACTGGCTGCCAGAATCTAGAGCAAAGCCATCCCCGCTCCTGGTTGGTCACAGAATGACTGACAAAGAC
ATCGATTGATATGCTTCTTTGTGTTATTTCCCTCCCAAGTAAATGTTTGTCCTTGGGTCCATTTTCTATGC
TTGTAACTGTCTTCTAGCAGTGAGCCAAATGTAAAATAGTGAATAAAGTCATTATTGAAGTTcaacgaaaa
aaaaaAACTTGGgggacgcgcacgagaaaagatctaaacacacatgggggcggcgccagataaggaaagag
ccatcgcccagaaacggcacaagtgggtatccaaaaggggagcaggaccagggcgtcgctaaacccactat
ccgcggaaagaaaccacagaagcgcacactcgcgcctacagcgcacaaaaacaatagaaaagcgaaagaaa
gacaacgcacaaccagacaaacacaaccgcacaccaacaagcgaggcgagagaggacgagagggaggatga
agggaggggacacgaagagagagacggaggagtgagagggaggaagacgcaagaaggagacgagagagggg
aggaagaggagcggaggaaaagagcggcgagcggagcgagaagagacggggagagaggcgggagccgaaga
acaggtccgaagcgccgaggggagagagcgggggggaggagggcgagagaaaacggagagaggagaggcaga
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ggagaggagacaaacagacagacagacgaaaagagaagacagcgacgacagtgagacaagacaagaagaag
acaaagagcagatacgagacagggaacgagtagcagcggcgccacaacggacagaagcggcagagagcgaa
acgaaaggaaaacatgaagaaagaagagagcacagacgcagacaagacgagggtacaggagatgagaagaa
gaagataagcagaggagcagcagagagaaaggaagagaagagcgagacaggagaggcggagcaggagtgag
caaaaggcgggaa
Table3 5335
NNNNCGNGCACGNGGGCGAGGGCACCTGTAATCCCAGCTACTAGGGAGGCTGAGNCAGAATTGCT
TGAACCCAGGAGGCAGAGGATGCAGTGAGCCGAGATCGCACTATTGCACTCCAGCCTGGGCAACAAGAGCA
AGACTCCATCTCAAACAACAACAAAAACCCAAAAGGGGACAGCAGTAGTGGGAGAGGCCAGCATCTGTACA
CCCCATCAGGGTCCCCGCTGTGTGTGCCCCTCAGGCGGCCACCAGCCCTACCAGGTCCTCCCCTCCCGGCA
CGTCTTCGCCTTGATCGTGTTCTCCTGCATCTATGGTGAGGGCTACAGCAATGCCCACGAGTCTAAGCAGA
TGTACTGCGTGTTCAACCGCAACGAGGATGCCTGCCGCTATGGCAGTGCCATCGGGGTGCTGGCCTTCCTG
GCCTCGGCCTTCTTCTTGGTGGTCGACGCGTATTTCCCCCAGATCAGCAACGCCACTGACCGCAAGTACTG
AGTTGACGCCCCAGGAGCTGAGCACCAGGCTTTGCATCCTTGGGAACTCAGCAAACGTTTGCTCAGCCAAT
TGCAGGTAGCATGGCCCAGGGCTTGATTGAGGTGGAGCGAAAGTTCCTTCCAGGGCCTGGCACAGAGGAGC
GGCTGCAGGAGTTGGGGGGCACCCTGGAGT
Table3 5336
NNGCAGGTCACGCGTCCGCCAGAGTCGGGCCGCAGGAGGTGTCGGTGCCGAGCGGGGTTTTTTTT
TTCTGCGGGTTGCCTTTTGTTTTTCCTTTGGAACCGCGGTTGTTCAAAAGCTTGACGGAACTTGGAAGGGG
ACTCCCACTCTCCTCCCTCTTTCCGCCGAGTTTGTGACTCCGAGATGGACAAAGTGTGTGCTGTTTTTGGA
GGCTCCCGAGGCATTGGCAGAGCTGTGGCCCAGTTAATGGCCCGGAAAGGCTACCGACTGGCGGTCATTGC
CAGAAACCTGGAAGGGGCCAAAGCCGCCGCCGGTGACCTCGGCGGAGATCATTTGGCATTTAGCTGTGATG
TTGCTAAAGAACATGATGTTCAAAATACATTTGAAGAGATGGAGAAACATTTAGGTCGAGTAAATTTCTTG
GTAAATGCAGCTGGTATTAACAGGGATGGTCTTTTAGTAAGAACAAAAACTGAAGATATGGTATCTCAGCT
TCATACTAACCTCTTGGGTTCCATGCTGACCTGTAAAGCTGCCATGAGGACTATGATTCAACAACAGGGAG
GGTCTATTGTTAATGTAGGAAGCATTGTTGGCTTAAAAGGCAACTCTGGCCAGTCCGTTTACAGTGCCAGT
AAAGGAGGATTAGTTGGATTTTCACGTGCTCTTGCTAAAGAGGTAGCAAGAAAGAAAATTAGAGTGAATGT
AGTTGCACCAGGATTTGTACACACAGATATGACGAAAGACTTGAAAGAAGAACATTTAAAGAAAAATATTC
CTCTTGGGAGGTTTGGAGAAACTATTGAGGTGGCACATGCGGTTGTGTTTCTTTTAGAATCACCGTATATT
ACAGGGCATGTTCTGGTAGTGGATGGGGGATTACAACTCATTTTGTAATTTGCAGATTATTCAGTTATAGG

Table 6
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GGTGATTAGCATCAAGGGCACACTTTGGCTACTGATTAGACAATTATACCTACATGGGTAACATGTGCTAA
TCAAACCTGCTGATGCTACAAATGTTAATTTCTGTCTTTATAAAAATATGTCTCAAAAGAAANNNNNNNNN
NNNNNNNNNNNNNN
Table3 5337
AGCAGCAGGAAGAAGACGGACCCCGCGATGAGGGCGGCGGCAAGGAGCACCTTCATGTTGCGTTC
GGAGAGGCGCAGCATCCACAGGCCCCCCGTACTTCGGCCGCTTTTCCTCTCCGTGAGGACAGGGCAGTCTT
GGTGTGCAGCCCCTCTCCTCTCTGTCCCCTGACACTCCACAGTGTGCCTGCAACCCAAGTGGGCCTTATCC
GTGCAGTGGTGGCAGTTCAGAAATAAAGGGCCCATTTGTCAAAAAAAAAAAAAAAAAAAAAAAAAAATT
TGTGTGGGGGGGCGCGGGCCCCCGGAGAGAAAGACTTTTTTAGAGAACCTTGTGTGTTGGGGGGGGGGCC
CCCCAACAGGTTGCTAGGTGGAAACGCTGGGCACAACAGGCGAGGTGTCCCCCGGAGTGGAAACCCGGGGG
GCCAGAGCACCAAGCGGGCGCGGGGCAATCTCTCACACCCAATATAAAACAAGACGCGCCGCGGGGGGGAC
AAAACCAGCAAGGGCGCTTCGCTGAAAAACAATATCCCCAAGGAGGGAGACATCGCGGAAAGGACCAAAAA
AGAGGGGGACTCTCTACTCCAACAGAGGGAGGAGCCTCACCAGGCAGCAGAGCACCCGAATACTCCCAAAT
ATAACGCCCCCACGAGGTGGGAAN
Table3 5338
ACGCGGGGGTTGGAGAAAACTAAACAATTTGTTATAAAACATCCTTAAAAGCATCAGAAAGTTAA
TACAGCAATGAAGAATTACAGGACCAAATTAAGAATGCAACCAGGTTGCCAAGAACTGAGTGATGTGTCCA
CATCCCGGGAGAGAGAAGCCACCAGAAGCTGGAAGAGCTAAATCAGACTGCTCCCTAGAGCTTCAGAAGGA
GCCAGAACTGATGACTCCAAGATCTTAGCCCAGTGAAACTGATCTGGACTTCTGAACTATGAGAGATTCCA
TTCCTGTTGTTTGAAGCTACCACATTATTGAGAACTTGTTACAGTAGCCCGAGGACACTAACACAAATGGG
GCTCCGGGAAAATCCAGACTAAAGGTGTTGTGTTGGTTTGCAATCTCCTTGCTTAACTTTCTGATACTAGA
CATAAATAGATTGGTGAAAAATTTTGTGATTGAAGAAATGT
Table3 5339
ACACTTTTCACCCCACTTCCTCTGCCATCTTGGTCCTGCTGTCCTGAGGAGCTACCTGTGCACCC
TGCCTCCGGCTCTCCTGAGCAGAGAGATCCTGATGGCTGACTCAGAAGCACTCCCCTCCCTTGCTGGGGAC
CCAGTGGCTGTGGAAGCCTTGCTCCGGGCCGTGTTTGGGGTTGTTGGGGATGAGGCCATTCAGAAAGGAAC
CAGTGTCTCCCAGAAGGTCTGTGAGTGGAAGGAGCCTGAGGAGCTGAAGCAGCTGCTGGATTTGGAGCTGC
GGAGCCAGGGCGAGTCACAGAAGCAGATCCTGGAGCGGTGTCGGGCTGTGATTCGCTACAGTGTCAAGACT
GGTCACCCTCGGTTCTTCAACCAGCTCTTCTCTGGGTTGGATCCCCATGCTCTGGCCGGGCGCATTATCAC
TGAGAGCCTCAACACCAGCCAGTACACATATGAAATCGCCCCCGTGTTTGTGCTCATGGAAGAGGAGGTGC
TGAGGAAACTGCGGGCCCTGGTGGGCTGGAGCTCTGGGGACGGAATCTTCTGCCCTGGTGGCTCCATCTCC
AACATGTATGCTGTAAATCTGGCCCGCTATCAGCGCTACCCGGATTGCAAGCAGAGGGGCCTCCGCACACT
GCCGCCCTGGCCCTATTCACATCGAAGGAGTGTCACTACTCCATCCAGAAGGGAGCTGCGCTTCTGGGACT
TGGCACCGACAGTGTCCGAGTGGTCAAGGCTGATGAGAGAGGGTGGTCCCCGAGGATCTGGAGAGGCAGAT
TGGTATGGCCGAGGCTGAGGGTGCTGTGCCGTTCCTGGCCAGTGCCACCTCTGGCACCACTGTGCTAGGGG
CCTTTGACCCCCTGGAGGCAATTGCTGATGTGTGCCAGCCGTCATGGGCTATGGCTGCATGTGGATGGCTG
ACTCTGTGGCCTGGAATCCCACAAGCTTCTAGCAGCANGCCTGCAATGCTCTGCACTTCTTCTTCAGGATA
CCTNGAACTGCTNAAGCCTTGCCATGGGTCCAAGCCAGCTACCTTTTCAAGCAGGACAAGTCTACNATGTG
GCTNTGGACACNGGAGACAAGGTGGTCTGTGGCCCGCCNGNNNN
Table3 5340
CAAGCGCCATGGCCGCTGCCGCCCGAGCCCGGGTCGCGTACTTGCTGAGGCAACTGCAACGCGCA
GCATGGCTGTTTCAAATATTAGATATGGAGCAGCAGTTACAAAGGAAGTAGGAATGGACCTAAAAAACATG
GGTGCTAAAAATGTGTGCTTGATGACAGACAAGAACCTCTCCAAGCTCCCTCCTGTGCAAGTAGCTATGGA
TTCCCTAGTGAAGAATGGCATCCCCTTTACGGTTTATGATAATGTGAGAGTGGAACCAACGGATTCAAGCT
TCATGGAAGCTATTGAGTTTGCCCAAAAGGGAGCTTTTGATGCCTATGTTGCTGTCGGTGGTGGCTCTACC
ATGGACACCTGTAAGGCTGCTAATCTGTATGCATCCAGCCCTCATTCTGATTTCCTAGATTATGTCAGTGC
CCCCATTGGCAAGGGAAAGCCTG
Table3 5341
ACGCGGGGGGAGTCCTTGCAGGGTGGCCTGGGTGACTGCTCACCAGCCCGGCCCTCCCCAGGGTT
CTGGGCCAGAGCCTCCCTGGCCGTTGGAGCGGGAGCTGTGGGTGGAACACTTCTGAATGGGAGATGCCTCG
GACCTCCAGACGCCGAACATCTCAGCACATCCCGCTCTGGGCTTTAAACGTGACCCCTCGCCTCGACTCGG
CCCTGCCCTGTGAAAATGTTGGTGCTTCTTGCTTTCATCATCGCCTTCCACATCACCTCTGCAGCCTTGCT
GTTCATTGCCACCGTCGACAATGCCTGGTGGGTAGGAGATGAGTTTTTTGCAGATGTCTGGAGAATATGTA
CCAACAACACGAATGGCACAGTCATCAATGACAGCTTTCAAGAGTACTCCACGCTGCAGGCGGTCCAGGCC
ACCATGATCCTCTCCACCATTCTCTGCTGCATCGCCTTCTTCATCTTCGTGCTCCAGCTCTTCCGCCTGAA
GCAGGGAGAGAGGTTGTCCTAACCTCCATCATCCAGCTAATGTCATGTCTGTGTGTCATGATTGCGGCTCC
ATTTATACAGACAGGCGTGAAGACATTCACGACAAAAACGCGAATTCTATCCGTGACAGAGAAGGCAGTAG
GCTACTCCTACATCCGGGTGGGTGGCTTCGCTGGCCCCTTCATCAGGGAGAGTACCCGATATGGGGAGGGC
AATAGAGTCCGGAGCGGGTGATCGCGAGGACGAATCACATCAGATACCATGGGATTAAACATAATGGGGGC
GTCAGCAAGTATGTCTTAAGCAACAAAGACAACGAAAGAGGGAGGAAAACCGGGAAAAAAAAAAAAAGTGCG
CGCCACAATTAAAACGGGGGGCCAGGAGAGGCAGCAACGCGGGTGGCACAAACGGCAGTAAGGGGTGAACG
GAACCCACCACGACGACACCACNNNNN
Table3 5343
ACGAAGATTTTATTATTCATAAAAACACTAGTTTATGCTTTGGGAAGAGCAGAGCAGAGGTTCAG

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ATAACAACAAATGCTCTTTAAGGATGTAAAATGTGAACTTTGTTCACAGACCTCAGTGATGTGAGCACTGT
TGCTTAGGAGTAACAAGTTGCTAAAATGCAGAAGGGATGGGTAGTGTTTCTTGCTTCTCATGATGAATGTT
TCTGTATGTTAGTGACTTGCTGGGTAACTAGTAAGGTACGAACCATCCTGAAGCTCCGGGTGTCCCGGGTT
GTAACCAAGCTTTCCTATTCCCTCCGGCGCGCGGCTCCAAGCTCTCCAAGGAACTGCCCCCGCGT
Table3 5344
NCGTCCGGCGGCTGCGGCGACAGGGACCCCGTCGGGGGCAGCAGGAGCCCTGGTGCATCCCAGGC
CCCGGGGGGAAGGCCGGGCCGTCGGAGGAGCGGAGGAGCCCGGGGGGGCTCCCGGGAAGCCGCGGGCGGAC
GGGGGAGGAGCCCGGGCGGAGCTGCGGGCGGGCGGCCCGCTAGGGGTGAATCGGGTGGAGTAGTGGTCGGG
TCCGGTTACTTCCCTTTAAAAAGACGGGAAAGGAGGAGTCCAGTGCTGGAGGGGCAGGGACGGCGGCGGCG
CAGCTCGGAACCCGCCAGGGTCCAGGGTCCAGGTTCCAGCGCCCGGCGGCCCAGCAGGCACCCCCCGAGCC
CAGCTCCACACACCGTTCCTGGATCTCCTCTCCCCAGGCGGAGCGTGCCCCTGCCCAGTCCAGTGACCTTC
GCCTGTTGGAGCCCTGGTTAATTTTTGCCCAGTCTGCCTGTTGTGGGGCTCCTCCCCTTTGGGGATATAAG
CCCGGCCTGGGGCTGCTCCGTTCTCTGCCTGGCCTGAGGCTCCCTGAGCCGCCTCCCCACCATCACCATGG
CCAAGGGCTTCTATATTTCCAAGTCCCTGGGCATCCTGGGGATCCTCCTGGGCGTGGCAGCCGTGTGCACA
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CACCCCGTCCGCCTCAGCCACCACCAACCCCGCCTCGGCCACCACCTTGGACCAAAGTAAAGCGTGGAATC
GTTACCGCCTCCCCAACACGCTGAAACCCGATTCCTACCAGGTGACGCTGAGACCGTACCTCACCCCCAAT
GACAGGGGCCTGTACGTTTTTAAGGGCTCCAGCACCGTCCGTTTCACCTGCAAGGAGGCCACTGACGTCAT
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GCTCCCAGCCCCCCGACATTGACAAGACTGAGCTGGTGGAGCCCACCGAGTACCTGGTGGTGCACCTCAAG
GGCTCCCTGGTGAAGGACAGCCAGTATGAGATGGACAGCGAGTTCGAGGGGGAGTTGGCAGATGACCTGGC
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CAACTGGAATGTCACTGAGTTCCACACCACGCCCAAGATGTCCACGTACTTGCTGGCCTTCATTGTCAGTG
AGTTCGACTACGTGGAGAAGCAGGCATCCAATGGTGTCTTGATCCGGATCTGGGCCCGGCCCAGTGCCATT
GCGGCGGGCCACGGCGATTATGCCCTGAACGTGACGGGCCCCATCCTTAACTTCTTTGCTGGTCATTATGA
CACACCCTACCCACTCCCAAAATCAGACCAGATTGGCCTGCCAGACTTCAACGCCGGCGCCATGGAGAACT
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CGGGTGGTCACTGTGATTGCTCATGAGCTGGCCCACCAGTGGTTCGGGAACCTGGTGACCATAGAGTGGTG
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CCTGGAACTTGAAAGACCTCATGGTGCTGAATGATGTGTACCGCGTGATGGCAGTGGATGCACTGGCCTCC
TCCCACCCGCTGTCCACACCCGCCTCGGAGATCAACACGCCGGCCCAGATCAGTGAGCTGTTTGACGCCAT
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GAGGCTGTGAACAACCGGTCCATCCAACTCCCCACCACCGTGCGGGACATCATGAACCGCTGGACCCTGCA
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Table 6
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GGCCCCGGGGGGGGAAAAACCTTTTTTTGCCCCCTTATGGGGGCCCAAAAAAAAAGGAACCCCCCAAAATT
TACAAAAAAAAACNNNNNNNN
Table3 5345
NNNNNNNNNNNNNNAAACTCCCCGGGCCACGAGTTTATTTTCCAGGGAAGCGGAAAGGGAATTTT
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CATAACCAAGTTTCCCCCCCCCCATGGCCTTCCTTTTTTTTTCCCGGTTCCGGGGGGGGGGGGGGGGGTTTT
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CCAGATTTTCCTTATACTGTCTCAAAATTTAAAGATCAATTTCCCCAGAGGGTGTGCAATGCATCATAAAA
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GACAACCAGTTTTCTCCCTGTGGTGTGCCCATTTCGCTTTTGTGGTGAAGCTTCTGCCGTTGAGCCTCCAG
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TGGTCACAATTTTTTCCATTCTCTGCCATTTCATAGATCAGTAACTCTTGAGGAGCCGCTCCGACCCCGGC
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CGGAACCCGCTCACGTCCCCGCGT
Table3 5346
NNNNNNNACGCGTGGGCGGACGCCGTGGAAGGCGGACGCGTACGAGGCCTGGACGCGTGGGCGCG
GAATCTCAGTTAGCGGTGGAGAGGCAGTATGTCCGGTTCAATGGCGACTGCGGAAGCTAGCGGCAGCGATG
GGAAAGGGCAGGAAGTCGAGACCTCAGTCACCTATTACCGGTTGGAGGAGGTGGCAAAGCGCAACTCCTTG
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TGCTCTTTGGTAAAAATGCCTGCTTTCCAATACTTTGATTGCATATTAGACATTCTTAACAGGGCGGCAGT
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Table 6
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TTCATTGAGAAGTAGGTTACTAGAATTATGTTACTGTGTCTTATTGGTTCAATGATGATTTCTCTGGCATA
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GGGAGCAGCTTGGTTCAAGAAGGACCATAGAGGCTGCTCAGCATCTCCTCCCTCCCTCCCAGCTTGCCAGG
GATTTGATGAGACAGGAAACTGCCCAGCAAACCAGGGACTGCCCATGTAAACTATTTAAGAAAAAGTTCAA
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GAAAAACCCTCTGGAGAGCAAGTGGAGCCAGTCCCCATTGGCTGACAGTGCCACCTGGAGCTGGTCTCTGG
GGTGTTCGGTTGTTTATTCCTGAGGAAGACTAGCTGCTGCTGCTGCTGCTGCAAACTGTACTGTACAC
ATCATGGCTGCTGGACACGAAGGAGGAGGTGAGAGAAGTTTCATGCTACCGAAATAGAGGGTGTTGGTACC
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CCTCAGCCCCTACTCA

Table3 5348

NNNNNNNACAAGAAAACTTATTTGGACTAAGTAGCGAGGCCCGTGGGGTGTGTTATACGTGGTCC
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CGTCCAAGGCCAGCACAAACCCAGATCGAGTGCAGGGAGCAGGAGGCCAAAACATGAGGGACCGGGCCACC
ATCCGGCGCCTGAATATGTATAGGCAAAAGGAGCGCAGGAACAGTCGTGGTAAAATAATTAAACCCCTGCA
ATATCAATCAACGGTGGCTTCTGGCACAGTGGCAAGAGTAGAGCCAAATATTAAATGGTTTGGAAACACAC
GTGTGATTAAGCAGTCATCATTACAAAAATTTCAAGAGGAAATGGATACAGTTATGAAGGATCCATACAAA
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CGTGATTTGGTAACTGAAGACACTGGTGTGAGAAATGAAGCTCAAGAAGAGATCTATAAAAAGGGACAGTC
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NNNNNNNNNN

Table3 5349

TATAGGGAGTCGACCCACGCGTCCGGCGAGGCGGCCGAGCTGGTTGGTGGCGGCGGTCGTGCGGA
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Table 6
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CCATTGAGAATGTCAAAGCCAAAATTCAAGACAAGGAGGGTATCCCACCTGACCAGCAGCGTCTGATATTT
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GCAAGAAGAAGTGTGGTCACACCAACAACCTGCGTCCCAAGAAGAAGGTCAAATAAGGTGGTTCTTTCCTT
GAAGGGCAGCCTCCTGCCCAGGCCCCGTGGCCCTGGAGCCTCAATAAAGTGTCCCTTTCATTGACTGGAGC
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accccaccggcttctcgccgagcagttgtgcagggattgattaagattacgagggcacgaatacataagtg
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agtaacactcaagagctactcacaaccacaaccagtaagtgataggatatc

Table3 5350

ACGCGGGGGATCACCTGAGGTTGGGAGTTTGAGACCAGCCTGACCAACGTGGAGAAACCATGTCT
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CGGAGCTGGGCGAAGCCGATGAAGCGGAGTTGCAGCGCCTGGTGGCCGCCGAGCAGCAGAAGGCGCAGTTT
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GGTTTGCCCAGATTGT

Table3 5351

NCGTCCGATATGGGGCGGGACCCTGTTCTGGCATCATGGCACGCACACTCTCAGTAGACTCTTTC
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CGATCCCTATGACCCTTACCCGTATGAGACCTACGAGCCTTACCCCTATGGGGTGGATGAAGGGCCAGCCT
ACACCTACGGCTCTCCATCCCCTCCAGATCCCCGCGACTGCCCCCAGGAATGCGACTGCCCACCCAACTTC
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GTACTTCCAGAACAACCAGATCACCTCCATCCAGGAAGGCGTCTTTGACAATGCCACAGGGCTGCTCTGGA
TTGCTCTCCACGGCAACCAGATCACCAGTGATAAGGTGGGCAGGAAGGTCTTCTCCAAGCTGAGGCACCTG
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GCACAACAATGTCTACACCGTCCCCGATAGCTACTTCCGGGGGGCGCCCAAGCTGCTGTATGTGCGGCTGT
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CTCTCCTACAACCAGCTGCAGAAGATCCCCCCAGTCAACACCAACCTGGAGAACCTCTACCTCCAAGGCAA
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AATCTCACGGCTCTTAAGTTCTTCCCAATGATCTGAGGTCATGGAACTTCAAAAGTGGCATGGGCAATAGT
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CTGAAATCCACTTCACCCACTCCACTTTCCTCCACAGATGCCTCTTCTGTGCCTTAAGCAGAGTCAGGAGA
CCCCAAGGCATGTGAGCATCTGCCCAGCAACCTGTGGAGACAACCCACACTGTGTCTGAGGGTGAAAGGAC
ACCAGGAGTCACTTCTATACCTCCCTAACCTCACCCCTGGAAAGCCACCAGATTGGAGGTCACCAGCATGA
TGATAATATTCATGACCTGATGTGGGAGGAGACAGCCAACCTCAGGCTTAGATCAATGTATAGGGCTATAT
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CAGCATCTGCAATGGGCCAAACACACCTCAAATTGGCTGAGTTGAGAAAGCAGCCCCAGTAGTTCCATTCT
TGCCCAGCACTTTCTGCATTCCAAACAGCATCCTACCTGGGTTTTTATCCACAAAGGTAGCGGCCACATGG
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AGAGACAGACTCCAGGCAGCCCTGGACTTGCTAGCCCAAAGAAGGAGGATGTGGTTAATCTGTTTCACCTG
GTTTGTCCTAAGGCCATAGTTAAAAAGTACCAGCTCTGGCTGGGGTCCGTGAAGCCCAGGCCAGGCAGCCA
AATCTTGCCTGTGCTGGGCATACAACCCTCTGCTTTCACATCTCTGAGCTATATCCTCATTAGTGAAGGTG
GCTTTTGCTTTATAGTTTGGCTGGGGAGCACTTAATTCTTCCCATTTCAAAAGGTAATGTTGCCTGGGGCT
TAACCCACCTGCCCTTTGGGCAAGGTTGGGACAAAGCCATCTGGGCAGTCAGGGGCAAGGACTGTTGGAGG
AGAGTTAGCCCAAGTATAGGCTCTGCCCAGATGCCATCACATCCCTGATACTGTGTATGCTTTGAAGCACC
TTCCCTGAGAAGGGAAGAGGGGATCTTTGGACTACGTTCTTGGCTCCAGACCTGGAATCCACAAAAGCCAA
ACCAGCTCATTTCAACAAAGGAGCTCCGATGTGAGGGGCAAGGCTGCCCCCTGCCCCAGGGCTCTTCAGAA

Table 6
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AGCATCTGCATGTGAACACCATCATGCCTTTATAAAGGATCCTTATTACAGGAAAAGCATGAGTGGTGGCT
AACCTGACCAATAAAGTTATTTTATGATTGCAAAAAAAAAAAAAAAAAAAAGGAACTCGAGACTAGTTCTCC
TCGTGCCGAATTCGGCACGAGGTCTCGAGTTTTTTTTTTTTTTTTTTTTAGAAAGGCTGGCATCTGCTTCTG
GTGAGGGCCTCACGAAGCTTACAATCATGGCAGAAGGTGACTCGTGCCGAATTCGATATCAAGCTTATCGA
TACCGTCGACCTCGAN
Table3 5352
NACGAGGCCAGTGTCTGCCTCTCTGCCCCCACGGGGGTTTATTTGATCTCACATTAACCAAGGAG
GAGAATGTGAGAAAAGGGGGAAAATGCCCAGGAGGAAGCAGGAGCAGCCCAAGCGCCTTCCCTCACCCTCA
GAAGAGGAAAGTGGAAAGCCTTTCCAGTGTCCAATATGTGGTTTGGTTATTAAAAGGAAGAGTTACTGGAA
GCGGCACATGGTGATTCACACAGGTTTAAAAAGTCATCAGTGTCCGCTCTGTCCATTCCGGTGTGCTCGCA
AGGACAATCTCAAATCCCACATGAAGGTTCATCAGCACCAGGATCGGGGAGAGACCCTTTCAGTGGGCCAG
CTGGTGCCCTTTTACTTCCTCACGCCACTTCAGCCTGAAACTCCACATGCGTTGCCATCAGCACTTCCTGA
GGACAGAAGCCAAGGTGAAGGAGGAGATCCCAGACCCAGATGTCAAGGGATCTCCCCACCTCAGTGACAGT
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AGAGAGGACTAGCCAGGGAGGGGCTGGCGTCTCGCCTTTGCTGGTGAAGGAGGAACCCAAGGAAGATAACG
GCCTGCCCACCTCCTTTACTTTGAATGCTGCCGACAGGCCCGCCAACCACACAAAGCTGAAAGACCCCTCC
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CCAGGCGTCTCTGAGGACGCCCTAAAGCCCCAGGAAGGGAAGGGAAGTGTGCTAAGGCGGGATGTGTCAGT
CAAAGCAGCCTCTGAACTTCTCATGAAACTCTCAGCGGAAAGCTACAAGGAAACACAGATGGTGAAGATTA
AAGAGGAACCCATGGAGGTTGACATCCAGGACTCCCATGTCTCGATATCACCCAGCCGGAATGTTGGCTAC
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CCCGCTGCCATGGAGTGCCACCTCAAGACCCACTACAAGATGGAGTACAAGTGCCGGATCTGCCAGACGGT
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CACTCAAGGCTTTGGCCTTCAACGGCTCCCCTTTGCGCTTTGACAAGTACCGGAACTCAGATTTTGCCCAT
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TGCGCCTCCCAGCATCCCCTCACCCAAACACTCCTTCCTGGCCTATCTCGGACTGAGAGAAAGAGCAGAGA
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GTACTGTATATCTTTAGTAAGGAATAGAAAATTGGCTCTGTGTGTATACCTATTGCATTGACCTGAAAGCT
GCTTTATCCAATCTTCAGAGAGGTGACCTACTGCATACTTCTACCTTCAGAGGCATGCCTCCCCAGCCACC
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ACAGTGCATCATTTTTTAAGGGCAGATTATATATATATGAGATGTATTAATTCAGTGGTTACCATTTGTTT
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Table 6
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TGGATAAATTCTGGGTATAAATGCTCAGACTAAAAAAAAGAAATGGCAGTTTTGCACAGTGCTATGGTCTG
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TATCCTCCATGTTATTAGTAATTCTGTATTCCATTTTGTTAACGCCTGGTAGATGTAACCTGCTAGGAGGC
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TCAAATGCCATGCATTTCACTGCTTGCCACTGAACTTGTATTTGAATGACTTAGTAATGCTTAATATAATT
GGGCAACTTTTTTAGCACTTTGGAAAGAGTCATCAATCTTTCTGGTAAATTATAAAAGTTTTCTGAGTGAG
AAAAGGTGTGTTTGGAGTTTGTTTGACTTTTTATATTATTATTGTTATTAATAAAGAAAAAAATCTACAGC
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TTGTTGTCACTATGCATTCTTCAATGAAAACTAGCTTATTTTTCCATATAGTAATGCAGTTAGGGTTCTCA
GCACTTTCTTTCTTCTATCCTTTTTTTAACTCTTCATATTATGTTCAGATGATCATACTGTCAAGGTTTGT
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AACTGGTATATTCCTTTGCATCTTATGTTGCATTGCCAATTTCTAGTGTATCCAGTTTGAAAGTATAATAT
ACTCTAATTAAAAAAAAAAAAAGGTTGGCTAGCACAAAACAAACCAAAGAAACAAAAACNNN

Table3 5353

cgcggccgcgtcgacacggctgcgagaagacgacagaagggtacggctgcgagaagacgacagaa
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gACGAcatgaggggtTACAGAGCGGAGAGAGTGAGGAGGCTGCGTCTGGCTCCCGCTCTCACAGCCATTG
CAGTACATTGAGCTCCATAGAGACAGCGCCGGGGCAAGTGAGAGCCGGACGGGCACTGGGCGACTCTGTGC
CTCGCTGAGGAAAAATAACTAAACATGGGCAAAGGAGATCCTAAGAAGCCGAGAGGCAAAATGTCATCATA
TGCATTTTTTGTGCAAACTTGTCGGGAGGAGCATAAGAAGAAGCACCCAGATGCTTCAGTCAACTTCTCAG
AGTTTTCTAAGAAGTGCTCAGAGAGGTGGAAGACCATGTCTGCTAAAGAGAAAGGAAAATTTGAAGATATG
GCAAAAGCGGACAAGGCCCGTTATGAAAGAGAAATGAAAACCTATATCCCTCCCAAAGGGGAGACAAAAAA
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CAAAAATCAAAGGAGAACATCCTGGCCTGTCCATTGGTGATGTTGCGAAGAAACTGGGAGAGATGTGGAAT
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agagtaatcaatctactcaaagctgggattattagaatcaaccatttggaaggtctgtcctgtggggacta
ctaagaacaggttgtcctacccttacatgaggactctattcttaaactcccattacctgtatgcgggtat
atttgcagtccccccttaaagaagactggagagtgtgtcccaaaaggggtgggttaaatacagatggctat
taacttttcgtggaataagctcgcggaagactagacaggggcataga

Table3 5354

NNNNNNNNNACGCACAATTTCAGCTAAAACGTTTATTTCTCACTCAAAACTTATTTCCCCTCAAC
CCTATACCCAAAGAAGAAATAAAATCACAGATACATAACAGAAGTATTTGAGGTACCCTCTCATATATGCA
AACAAATGCAGACTAGGCCTCAGGCAGAGACTAAAGGACATCTCTTGGGGTGTCCTGAAGTGATTTGGACC

Table 6
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CCTGAGGGCAGACACCTAAGTAGGAATCCCAGTGGGAAGCAAAGCCATAAGGAAGCCCAGGATTCCTTGTG
ATCAGGAAGTGGGCCAGGAAGGTCTGTTCCAGCTCACATCTCATCTGCATGCAGCACGGACCGGATGCGCC
CACTGGGTCTTGGCTTCCCTCCCATCTTCTCAAGCAGTGTCCTTGTTGAGCCATTTGCATCCTTGGCTCCA
GGTGGCTCCCTCAGTCTGGACTCTACCACTTGGGTCTCCAGATTTTCTGTTACGTCCTTGTGGGTCAGGAT
ATTTCTGGAAGTCACTCCGTGAGGCTGGTAATCCTCAGACCCAGCTTCTGGTCGACTCTGGAATGGACTGA
AGCTGGGCAGGATGATGAGAGCCAGGGAAAAAAGAAGAATCAAAACACAAGTGCTGGTCTGGGCAGCTTTG
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CTCCTGGACTTTTTTCTGTAATTCTTGGTTCTGTGCAGAACAGGCTGCCACCCTGCTCTCCAGCCCATCAA
TGTACTCCTTCTTCCCCCGCCTTAATTAAGAGCTCCGTTCTTTTTTTCATCACAAGGAAGACCGTGGACCC
AGGCTTCTGGCCCTTCTTTTTCACACAGGAAACAGCTA
Table3 5355
NNACTAGTTTTAGAGCGGCCGGCTCGTCGTTCTATTTTTAGTAGAGACGGGGTTTCTCCACGTTG
GCCACGCTGGTCTCGAACTCCTGACCACAAATGATCCACCTTCCTGGGCCTCCCAAAGTGCTGGAAACGAC
AGGCCTGAGCCGCCGGGATTTCAGCCTTTAAAAGCGCGGGCCCTGCCACCTTTCGCTGCGGCCCTTACGCT
CAGAATGACGTGTCCTCTCTGCCATAGGTTGACTCCTTGAGTCCCCTAGGCCATTGCACTGTAGCCTGGGC
AGCAAGAGCCAAACTCCGTCCCCCCACCTCCCCGCGCACATAATAACTAACTAACTAACTAACTAACTAAA
ATCTCTACACGTCACTCATAAGTGTGTGTTCCCGTGAGGAGTGATTTCTAAGAAATGGCACTGT
Table3 5357
NNAAGGAAAAAAGAGCAACAGATCCAGGAGCATTCACCTGCCCTGTCTCCAAACAGCCTTGTGCCT
CACCTACCCCCAACCTCCCAGAGGGAGCAGCTATTTAAGGGGAGCAGGATCCCCCGAGCTGCAGGACTTGG
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AAGTTGAGACCACCCAGCAGAGGAGCTAGGCCAGTCCATCTGCATTTGTCACCCAAGAACTCTTACCATGA
AGACCCTCCTACTGTTGGCAGTGATCATGATCTTTGGCCTACTGCAGGCCCATGGGAATTTGGTGAATTTC
CACAGAATGATCAAGTTGACGACAGGAAAGGAAGCCGCACTCAGTTATGGCTTCTATGGCTGCCACTGTGG
CGTGGGTGGCAGAGGATCCCCCAAGGATGCAACGGATCGCTGCTGTGTCACTCATGACTGTTGCTACAAAC
GTCTGGAGAAACGTGGATGTGGCACCAAATTTCTGAGCTACAAGTTTAGCAACTCGGGGAGCAGAATCACC
TGTGCAAAACAGGACTCCTGCAGAAGTCAACTGTGTGAGTGTGATAAGGCTGCTGCCACCTGTTTTGCTAG
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GCTGAGTCCCCTCTTCCCTGGAAACCTTCCACCCAGTGCTGAATTTCCCTCTCTCATACCCTCCCTCCCTA
CCCTAACCAAGTTCCTTGGCCATGCAGAAAGCATCCCTCACCCATCCTAGAGGCCAGGCAGGAGCCCTTCT
ATACCCACCCAGAATGAGACATCCAGCAGATTTCCAGCCTTCTACTGCTCTCCTCCACCTCAACTCCGTGC
TTAACCAAAGAAGCTGTACTCCGGGGGGTCTCTTCTGAATAAAGCAATTAGCAAATCATGTAAGAATAAAA
AACACAAGAAAGAAAAAAAGTTTTGGCCTAAATGAGTCGTATTACAGTTGACGCGGCCGGCGAATTTAGTA
GATGGTGTAATTCGACCCGAGAAATTCCGGAACCGGAACTCTGAGGGGTGACAAGTTTCCCCAAGAGCGGC
GGATTAAGGCTTGGGCGGACAAANNNNNNN
Table3 5361
CGTCCGCCCACGGCGCTTGCGCGGGTTGAGGGCGGTGGCTCAGGCTCCTGGAAAGGACCGTCCAC
CCCTCCGCGCTGGCGGTGTGGACGCGGAACTCAGCGGAGAAACGCGATTGAGAGCAGTGTGTGGATTACAC
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CGGGTCTCCTGCAGGAGGGAGTACAGCCAGAGGAGTTTGTGGCCATCGCGGACTACGCTGCCACCGATGAG
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GACCAGCCACGAACAACTAAATACCACAGTGTCATCCTGCAGAATAAAGAATCCCTGACGGATAAAGTCAT
CCTGGACGTGGGCTGTGGGACTGGGATCATCAGTCTCTTCTGTGCACACTATGCGCGGCCTAGAGCGGTGT
ACGCGGTGGAGGCCAGTGAGATGGCACAGCACACGGGGCAGCTGGTCCTGCAGAACGGCTTTGCTGACATC
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TTCCCTTTAGTGAGGGTNTAANNN
Table3 5362
CAAAGAATGGGGGAAAGGTTATATTGATGAAATATTACATTCAGCTATTTTAAAAACCCAGTTAC
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TCTGTTTTCCAGATGAGCAGAACTACATTCTCCGAGATGCTGAGGCAGAAGTACTTTTCTCTTTCAGCTTG
GAAGAATCCTTAAAACGGGCACACGTTTCTCCACTCTTTAAGGTACACTCTTGGCTTCCTTCTTGGACATT
GCCACTGGAGGTCTTCCTCCTGTGAACCACAGCACATCTCTAGAGAACTTTTCTTTACTGGAATCTGCCCA
AGTCTTTCCACTATGAAGGCAATCGTAGAGTGTGCAGGANGAAAGGTGNNNNN

Table 6
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NCGAACCGGATCCTTGGGCGGGCAGTCATCACACCTGGGGATGTCATGCAGGCAAGATGGCGGAA
GGGGAGGACGTGGGATGGTGGCGGAGCTGGCTGCAGCAGAGCTACCAAGCAGTCAAAGAGAAGTCCTCTGA
AGCCTTGGAGTTTATGAAGCGGGACCTGACGGAGTTTACCCAGGTGGTGCAGCATGACACGGCCTGTACCA
TCGCAGCCACGGCCAGCGTGGTCAAGGAGAAGCTGGCTACGGAAGGCTCCTCAGGAGCAACAGAGAAGATG
AAGAAAGGGTTATCTGACTTCCTAGGGGTGATCTCAGACACCTTTGCCCCTTCGCCAGACAAAACCATCGA
CTGCGATGTCATCACCCTGATGGGCACACCGTCTGGCACAGCTGAGCCCTATGATGGCACCAAGGCTCGCC
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TGGCTTTCCCAGTTCTGCTTGGAGGAGAAGAAGGGGGAGATCTCAGAGCTCCTTGTAGGCAGCCCCTCCAT
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CAGATCGCCAACCCGGCCACTGCACCTGAGGCACGAGTGCTACCCAAGGACCTGTCCCAAAAGCTGCTAGA
GGCATCCTTGGAGGAACAGGGCCTGGCTGTGGATGTGGGTGAGACTGGACCCTCACCCCCTATTCACTCCA
AGCCCCTAACGCCTGCTGGCCACACCGGCGGCCCAGAGCCCAGGCCTCCAGCCAGAGTAGAGACTCTGAGG
GAGGAGGCGCCCACAGACTTACGGGTGTTTGAGCTGAACTCGGATAGTGGGAAGTCTACACCCTCCAACAA
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GAGTGAGGGAGCCAGAGGGAGCAGCTCCCCCACCCATGGCATCTCTCGCCTCCCTCGCTCGTCTCAGCCCA
GCCCTGGAAGACTGAGAATGTTCCCCCAAATCTCCTCTGCCAACCAGAGCTCTGGGCACAGATTCTGGTGG
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GACTTGTGCCAACAATAGGATGACCCAAGGGAGAGGAAACCTATCCTCCTCACCAGAAGAGCCTGTGTTTT
TCTGCTGAACACCCACTGTTCCTGAGGACTCCTGCTGGGAAGTCCCAAGGGATAGTTCTAGCCCTTCTGCC
TGTGTAGACAGAAGCTAAACCACCAGTCTCTCTCGGAGGAAGCTGAGACAACATACTCTGTCCATACATAA
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TTCCTGGAAAGGCTCCTTTGGGGTTCAGAATCCAGAGACCAAACCCTGACCCACCTCCTTCCTTTCCTCCA
GCCCACGCTGGTCTGTCCCCATGCCTTCCCAGGGCTTCTTCATGTCAGATGCACCCAAGTCCTTAGCCCAG
CTGTGCCACCTGCAGGAGTTCGCTCTTGCGTTTCTTCCCCTCCCCAAGAAGGGAGGGGGCTACTTCAGGCC
CTTCTGTGTGTTGCCTGGCAGGATACCTTGTCCAACCAGCTACCCACCTCAACTCCCCTGTAGTTTAGGAC
ACAAAACAGCTACCAGCGGTACAGAGCGGTGATCAAAGCCGAGTACTTACAACTCTGGTAAGCCTAGCTTC
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CAGCTGTTAGTTTTATAATTAAAAAAGAAAGAAAAAAGAACTTTGTCCTGAACCTTTTACAGACTTGCCGT
TAACAGCATTAAAGTGATTCACCCGAAGCTGAAAAAAGAAAACTGCAGAAACAACAACAACAAGGACAAAA
AAACAACAAACCACATACGGGAGCGTAGCACATCACTCTCCGCGGGGGCCCGAAAGTCAAAACACCGTCGC
ACCGGAAGCGAAGAACAGACGTGCCGGAACATGTATGCACAAGGAGGCACCCGCCGCGGCGAGAGGAACAC
AACAGGCGGCCCCGCGGGCACACAAACAAGTCGGCGCTACGCGAACGACGCAGCGAGGCAGAGCAGGAGAA
AGACCACATCATGTGAGGAGCGAAAGAGAACCAAGACACAAAAGAGGAAGCAGAAAATAAACATAAAGGCG
AGCGCGGCGACACCGAGGTGACGGCAACAGACACAGAAGCACAACAACAGCGGCGCGCGAGCACGCANNN

Table3 5364

NNNNNNGGAGTTTTTTTAAATAGAGATAGGGTTTCACCAGGTTGGCCAGGCTGGTGTCACAACTC
TTGACCTCAAGTGATCTACCACCCTTGGCCTCCCAAAGTGCTGGGATTATAGGCGTGAGCCACTGGTGCCC
GGCCAACATTAATATTTTTTATTAGCTACTACAGCTTAGAGTAGCTGCTATGGGAGTGTGGCCTTTTTGAT
TAAATACTAGCTGATCAACCCTAGAATATAAATTCTTGTTTTATAACATTTAGATTTAAATAACAATAAGA
ATGTAAGCTCCATGAAGGCAAGAATGCCTTTTTGTTTTGTTCACTGCTGTGTCTAAAATAATGCCTGGCTC
GATCAAATATTGTTGATTGAGTGAATATATCTGCTAGAAGGAAATAGCTGGGAAGAATTTAATGATCAGGG
AAATTCATTATTTCTATATGTGGAAACTTTTTGCTTCGAATATTGTATCTTTTTAAATCTAAATGTTCATA
TTTTTCCTGAAGAAACCACTGTGTAAAAATCAAATTTTAATTTTGAATGGAATAATTTCAAAGAACTATGA
AGATGATTTGAAGCCCTAATTTATATAGTCACCTATAAAATGTTCTTTATATGTGTTCATAAGTAAATTTT
ATATTGATTAAGTTAAACTTTTGAATTGATTTGAGGAGCAGTAAAATGAAAGCTATATCTATTCTAAACTT
ATTTAGACATTTGGTACCAGTTACCCAGGTGAAACATATGGAGTAACTTTGTTTGTATGGTAAGGTTTAGG
AATGGTGGCTGAAGGGTATCTCTATATAAATTAAGTGCTCAACATGTGCAACGATTGTCACTTTCGTACGA
TTTTACAGGCATTTCATGAATGCTTTACATTCAACTAGTTATCTTATTACAAACACCTTTCTTGTATTCAT
ATACTTCAGGTGTTGTGTAACATTGACTATGTACTTATTTAGCAAATGTACCCCCATACTGTTTCCTTACA
TGGTGGTTTTGTCTAACCCCAATGGTACTACTGGTCAATGCATATCTGGAGTGGACTGGGAAATATATGGG

Table 6
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GTCAAAACCAACAAGTCGGTGTGGAGGAATCTCTAGAGATAGAAGGGTCGCAGAGAAATAGTCGCGACAAA
CAAGGGAC
Table3 5366
CGCGGTGGCGGCCGGGTACGCGGGGACCCAAATTTTCCAGCCGATCACTGGAGCTGACTTCCGCA
ATCCCGATGGAATAAATCTAGCACCCCTGATGGTGTGCCCACACTTTGCTGCCGAAACGAAGCCAGACAAC
AGATTTCCATCAGCAGGATGTGGGGGCTCAAGGTTCTGCTGCTACCTGTGGTGAGCTTTGCTCTGTACCCT
GAGGAGATACTGGACACCCACTGGGAGCTATGGAAGAAGACCCACAGGAAGCAATATAACAACAAGGTGGA
TGAAATCTCTCGGCGTTTAATTTGGGAAAAAAACCTGAAGTATATTTCCATCCATAACCTTGAGGCTTCTC
TTGGTGTCCATACATATGAACTGGCTATGAACCACCTGGGGGACATGACCAGTGAAGAGGTGGTTCAGAAG
ATGACTGGACTCAAAGTACCCCTGTCTCATTCCCGCAGTAATGACACCCTTTATATCCCAGAATGGGAAGG
TAGAGCCCCAGACTCTGTCGACTATCGAAAGAAAGGATATGTTACTCCTGTCAAAAATCAGGGTCAGTGTG
GTTCCTGTTGGGCTTTTAGCTCTGTGGGTGCCCTGGAGGGCCAACTCAAGAAGAAAACTGGCAAACTCTTA
AATCTGAGTCCCCAGAACCTAGTGGATTGTGTGTCTGAGAATGATGGCTGTGGAGGGGGCTACATGACCAA
TGCCTTCCAATATGTGCAGAAGAACCGGGGTATTGACTCTGAAGATGCCTACCCATATGTGGGACAGGAAG
AGAGTTGTATGTACAACCCAACAGGCAAGGCAGCTAAATGCAGAGGGTACAGAGAGATCCCCGAGGGGAAT
GAGAAAGCCCTGAAGAGGGCAGTGGCCCGAGTGGGACCTGTCTCTGTGGCCATTGATGCAAGCCTGACCTC
CTTCCAGTTTTACAGCAAAGGTGTGTATTATGATGAAAGCTGCAATAGCGATAATCTGAACCATGCGGTTT
TGGCAGTGGGATATGGAATCCAGAAGGGAAACAAGCACTGGATAATTAAAAACAGCTGGGGAGAAAACTGG
GGAAACAAAGGATATATCCTCATGGCTCGAAATAAGAACAACGCCTGTGGCATTGCCAACCTGGCCAGCTT
CCCCAAGATGTGACTCCAGCCAGCCAAATCCATCCTGCTCTTCCATTTCTTCCACGATGGTGCAGTGTAAC
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TGGCCATCAGGACTTTCCCTGACAGCTGTGTACTCTTAGGCTAAGAGATGTGACTACAGCCTGCCCCTGAC
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GGGACTAGTTAGCTTTAAGCACCCTAGAGGACTAGGGTAATCTGACTTCTCACTTCCTAAGTTCCCTTCTA
TATCCTCAAGGTAGAAATGTCTATGTTTTCTACTCCAATTCATAAATCTATTCATAAGTCTTTGGTACAAG
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TCTACAGTTTAATAAATAGCATCTAGTACACATTCAAAAAAAACAGAAAAGGGCGGCCGGGCGGGGGCCCT
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GGAAAACCTTTTTTGGGGCCCTAAAAAGGGGGAAAAAAAAAACCAATCCCCCCAAAATTTCAAAAAAAAAA
CCTTTTTTCCCCGGGCCTCCAGGGGGGGGGGGCCAAAACCCAAAGGGGTTTTTAATTGTGGGGGCCCCCC
GGGCCCCCCAAAAAAAAAAAATTTTTTTCCCCCCCCAAAAAAAAAAAAAANNNNNNNNNNN
Table3 5371
NNNGTGGTGACGTCATCGGAGGCGTGGTCGTCCCCAAAACTGGGGGGGGAAAGGGAAAAAAAAAA
GCCAGAAAAAGTTTTCTTTTCTGGAGTCCCAAACGAGGTGCGGGACGGAAGAGGGGGTGAAGGCCAGAGGC
TCGGGGCTTCAAGACCGCTGTCTGGAGTCCCCCTTTCCAGGCCATGTCGGGGCCCACCTGGCTGCCCCCGA
AGCAGCCGGAGCCCGCCAGAGCCCCTCAGGGGAGGGCGATCCCCCGCGGCACCCCGGGGCCACCACCGGCC
CACGGAGCAGCACTCCAGCCCCACCCCAGGGTCAATTTTTGCCCCCTTCCATCTGAGCAGTGTTACCAGGC
CCCAGGGGGACCGGAGGATCGGGGGCCGGCGTGGGTGGGGTCCCATGGAGTACTCCAGCACACGCAGGGGC
TCCCTGCAGACAGGGGGGGCCTTCGCCCTGGAAGCCTGGACGCCGAGATAGACTTGCTGAGCAGCACGCTG
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TCCTGCCTACCGCACGGGCTCCCTGAAGCCAAATCCAGCCTCGCCGCTCCCAGCGTCTCCCTATGGGGGCC
CCACTCCAGCCTCTTACACTACCGCCAGCACCCCGGCTGGCCCAGCCTTCCCCGTGCAAGTGAAGGTGGCA
CAGCCAGTGAGGGGCTGCGGCCCACCCAGGCGGGGAGCCTCTCAGGCCTCTGGGCCCCTCCCGGGCCCCCA
CTTTCCTCTCCCAGGCCGAGGTGAAGTCTGGGGGCCTGGCTATAGGAGCCAGAGAGAGCCAGGGCCAGGGG
CCAAAGAGGAAGCTGCTGGGGTCTCTGGCCCTGCAGGAAGAGGAAGAGGAGGCGAGCACGGGCCCCAGGTG
CCCCTGAGCCAGCCTCCAGAGGATGAGCTGGATAGGCTGACGAAGAAGCTGGTTCACGACATGAACCACCC
GCCCAGCGGGGAGTACTTTGGCCAGTGTGGTGGCTGCGGAGAAGATGTGGTTGGGGATGGGGCTGGGGTTG
TGGCCCTTGATCGCGTCTTTCACGTGGGCTGCTTTGTGTGTTCTACATGCCGGGCCCAGCTTCGCGGCCAG
CATTTCTACGCCGTGGAGAGGAGGGCATATTGCGAGGGCTGCTACGTGGCCACCCTGGAGAAATGTGCCAC
GTGCTCCCAGCCCATCCTGGACCGGATCCTGCGGGCTATGGGGAAGGCCTACCACCCTGGCTGCTTCACCT
GCGTGGTGTGTCACCGCGGCCTCGACGGCATCCCCTTCACAGTGGATGCTACGAGCCAGATCCACTGCATT
GAGGACTTTCACAGGAAGTTTGCCCCAAGATGCTCAGTGTGCGGTGGGGCCATAATGCCTGAGCCAGGTCA
GGAGGAGACTGTGAGAATTGTTGCTCTGGATCGAAGTTTTCACATTGGCTGTTACAAGTGCGAGGAGTGTG
GGCTGCTGCTCTCCTCTGAGGGCGAGTGTCAGGGCTGCTACCCGCTGGATGGGCACATCTTGTGCAAGGCC
TGCAGCGCCTGGCGCATCCAGGAGCTCTCAGCCACCGTCACCACTGACTGCTGAGTCTTCCTAGAAGTACC
TGCTGGGTTCTCAGTTCCAGTTCCCATCCTTTGATTGATCACTCTCCTGACATCCACCTGATATTATACCT
GGGCCGCTCCATCGCAATAATGAGCTCCTCNNNNNN
Table3 5372
ACTATTTAATATATTTCTCCATGAACTTTTTGTGAAATTCAGATCGCAGTGTGTCATTTACAAAT
CTTTTGTCTTTCTTCTGGTCATCTACACCTTTTGCACAGTTCTTGAAGACAACGTCATCATCCCACCTTCT
TTAACTTTGAAGTTGGCCTGAGGCTGGGATGGGGAAAAGGAGAAGGTGATTTGAGCCAACTTTCAAAGCAG
TATTCAAGCAGAGACCTACCCTCTCATACAAAGATAAAATACAGACAGACTACTCAGGATGCCCCTGAAGA
GGTTCGTAACCGTGACTTCAGGAGAGAGTTGGAAGAAAGAGAGAGAGCTGCTGCAAGAGAGAAAAATAGGG

Table 6
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ATCGTCCAACCCGAGAACATACAACCTCCTCTTCAGTGTCAAAAAAGCAGTTTAATGTTTAAATTCTGGTG
GGACCTAGAAGCTTAAAATCAATTTGCAGTTTTCTACAAACAGGACAGTGAAAAACCTGAGTGGCATCCAA
TGAGTGATATCCTAACTATGTATACAATTCAGCAGTTAATTCTAGAGTTAATTGATGGAGTTACTCATAAT
AGTTAAAACAGGAAACCTAATTTCAACTGAAATTTAATGATTATTCATTTGAAATTATTTTCTTCTGAGAA
TTTAGCACACTTTTTTGCACTTTTGAGTATCTTTGCTGCTAGCTTAAAGTTGTTTTGAGCTACATAAAATT
GTTTTGACTTTCTTAGGGTGATACGTTGTACATATGTACTGTGTTTTGGTAGTGTGTATTTTCCCTCCAAT
CTTCTGGGCTCTCACTTCTAACAGATGAGGAAGATGAAGATTTTGAAGAAGAAAGTGATGATGATGATACT
GCAGCTCTTCTTGCAGAACTGGAAAAAATTAAAAAAGAAAGAGCTGAAGAGCAGGCCAGGAAGGAACAAGA
ACAAAAAGCTGAAGAAGAGAGGATTCGTATGGAAAACATTCTGAGCGGAAACCCTCTCCTTAATCTCACTG
GCCCATCCCAGCCTCAGGCCAACTTCAAAGTTAAAAGAAGGTGGGATGATGACGTTGTCTTCAAGAACTGT
GCAAAAGGTGTAGATGACCAGAAGAAAGACAAAAGATTTGTAAATGACACACTGCGATCTGAATTTCACAA
AAAGTTCATGGAGAAATATATTAAATAGTACAGTTTTATGTGCTTAATTAAAGACTGTAAAACGTAAAAAA
AAAAAAAAAAAAAAAAACGTATTACAATTCACTGGCCGTCGNNNNNNN
Table3 5373
GCGGCCGAGGTACTTCCCGGTTCCTTTGCGTCTGAGGGCCTTATGCCGGAGGGGATAGAAAGCCC
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CTGGTAGAACTTCATCAACAGTGGAAGGCATTTGCAAAGCCGGTTCGGAGGAAGAGTGAAATCCCCGAGAT
CAGCAGGGCAAAATGCTGGAAGTTGTCGAGGATGCAGAGAGTAGCAGGAAGACACCTCTGAGAACTCACTC
ACACACCCTGCCCCTGTGTAGAGATGTCATCCTGGGGATGAGAAGGAGGAAGACAGAGAAACGCAGAAAAG
CCTAAGCAGGCACCACAAAGAGACCGAGCCCGTCTGAAAGAGGCTGCTCTAACCTGGTGGAAACTATTTTA
AGTTGGTAAGTTTAGTGCCTCCCCACTAATATCAGAACGAGCAAGAGACGACAGGTATAGGTTGTGTACAT
TCCCCTCTGCGTTGAATGATAGCGTGTGCGTGTTCCACCACTGTGCCCTGCTCAAAGTTAGCTGGGTGGCT
GTGCCCTGCTCAAAGTCACTTGGGTGAGGGGCGCCCGTGGGAGCCAAAAATCCCATCTTACACCCACCCCC
TGCACACTCTGGAGTTGGGCTGTGACATGCTGGAGAAAGGTGTCTTTGTCTAATTATTCTGCCTAAGGGCA
TGCCTTTTGTTAATTAGTAAAAGGAAGCCTTATTTGTGCTCTGCAGAGTGGGGGTGCTGTTTAGGAGGTAA
TTCGTGATAGAACCACACAGACAAGATAGATTCAATTTAAATAAATTGAATCTATGAAGCTTCCTAACCCC
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CACCAGACATTACATTCCAGAGCCTTGAGAAAAACTGATGAAAAAAAAGTCATGAAAAAAAGTCATTCGCA
CAAGTGACACCATGGTGTGAAGTCAAGGAGCACAGACTCTGGAGTCAGAGGGCTTGAGTCAACCTGAGCAT
CTTCAGCTTTGACTGTGAAGACACAGCTTTGACTCTCTGTGTTGCAGAGATGGTAGTGCCCACTCCAGTGA
CGCTTGTGAGGATTAGTTGAGATAATAAATACAAAATGCTGAGCATCAAACCTAGAGTAGAGAAAGGTCTC
AAGTAAGTACTCATTACCAGTATTTGTTATTTAATTTCACTTTTGTCTACATTCCCTTGTGTGAAATGGTT
TGGATAATTAATTAAGGAAAACTTTCCCTCAGGGACATTGCTGATATTGCAATCTTCACTAGATACACTTA
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TTATCTATCTAATTATTTATAAATGAACTGGTGGGTTTGTTGTTGTTGCAGCCTGGCTAATGTTATCCAGA
CATATCTGAAACCTCATGAGTGGCATGGAATGGCAGTCCCTGCTTGAACCATTTACCTCCTTTCCTAACAC
CAACAATCACACACACCTGACACTGACCTGAAGCCTCTGGCCTGTCCTCGGAGGCAAAGACTGGGTAGACA
AGATGCCTGGTTACCAGCAATCTTCTGCAATTTCCTCTGAGCTATTGAGATTGCTTTTCTCTTTGCTCAAA
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TGTTATTCTCTGTCTCTCTCTCTCTTTTCCTAGTTGGGTAATCAAAATGGCACAATCAGAAATATTTATAT
CTGCAACAGAAAAGAAGAATAAATTTATTCATGCACAAGTACATTATGTACATATATATGTTTGTGTATAC
ATATATCTGTATAATTGATATATTTGGGAGAAATAAAAGGTTTCATTAAGCACACAAGTTCTAGAGTTAGA
CCCTCTGTCGCAAATTACTGTCCTGTCACTTAACTCCTGCCAGAACAAAGTGCATACTTGAACAAAATGCC
TGCTCTGTAAAAATGCCTTGATCTTGAATAAAATGCCTGCTAGGTCAAAGCTTCTATTTTCCCACCTAGAA
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CAGACAATGCCTTCAATTAATGCAAACTATTAATATTATGAAAAGTGAGTATCTGTTTTCTGACAATGTTT
TCAATAATATAAATTCTGCCTTTGTTCACTTTATTTGTTTGAAAAAACAAATAAAAAACCAAACAAAAAAG
TGAAAAAAAAAAAAGAAAAAAAA
Table3 5374
NAGCGAATGCTTTTATACCACAGAGTATTTTTGCCCACGTGTTTAGAAGTTGTGTTTTGAAAACG
CGTTTCTGTCTCCCCCACGCTCATTACCACAGGGAATGTCCCCCATGTACCAATTCACACCAATGGGGGGC
CATGTTAGAATCCGCCTCCGTAACTATGGTTGGCTCCATTTGATATAATCCGTCCAGAAACGACACAGTGA
ACCATACAGCTGAGCTTGAGTAGTTGTATTCCTCCTTCATCTTAACATCTGGCACATGAGAAGAAAGAGGT
TAGGTCACTGAGGCAGTTAAATATAGGTGATCCCTTTAGACATAAGCAGCAGAAGACCTTGGTGCCAGGGG
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CCGCCCTTAGCTGAATGCAGATGGATGCTGGGAGATGGATATGGTGAGATGGTGTGGGGAGGATGTTAGAA
AGCTGGAGGTGTTTATCACTTCTCAAGGAGCTCTGAATATAGGGGGAAAAAAACAACAAAAAGACAAGCCC
AGGGAGAAAGCACCATTAAGGATATACCTATGCCAGCTTCTATAGCTGCACCTGCTTTATTGGCAGGTCAC
TTGCCACAATTGCATCTGCCCTCTAAACTTTTTAATTTTCACACTGTATCCTAGACATGAATGCATAAAAT
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TCTGTAAGCTTAGAAGAGTAGAATCACTTTATTTTTTAAAGACTTCCGGCCAGGCACGGTGGTTCACGCCT
GTAATGCCAGCACTTTGGGAGGCCGAGGCGGGTGGACCACCTGAGGTCAGGAGTTCAAGACCAGCCTGGCC
GACATGGCGAAACCCTGTCTCTACTAAAAAAAAAAATACAAAAAGATTAGCTGGGTGTGGTGGTGTGTGCC

Table 6
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TATAATCCCAGCTACTCAGGAGGCTGAGGCAGGAGAATTCTTTTAACCCAAGAGGCGGAGGTTGCAGTGAG
CCAAGATCACACCACTGCACTCCAGCCTGGGCGACAGAATGAGACTCTGTCTNNNNNNNNNNNNNNNNNNNN
NNNNTTTTTTTTCCAAGTACAAGATGTTACCACTGACAAAAGGGTCTCATATGAATGATGGAGGTTTCTGT
TACCGTATGCCCATAAAGGGGCCTGAAACCAAATATGATTTGAATAGAAAAGACCTTGGGAAACATAAGTA
GCACTTTGGGGCTAAGCTGCGAAGGCACTCGTATTGTACAAGTAATTTCGAAGAGAGCCTAAATTTGCTAC
CCCCCTGCTTCTACAGGGTATACCAGATTTTTGCTGTCTTGGGACACTGAGCTCATGGAAGCCTGTGGAGG
AAACTAACCGGTAAGCTGGGGATCTAGGTAGTCATCCAAGAGTCTGGAGGGAGAAGAAATTTGTTACTTCC
ACAGCTGGGGTCCTGTAGAACCATACTAATGTACAAATGGATGCTGAAAAATACCTGCATAGTTTCAAAAC
AAAACTCCCTCTCCACTCCCAGTTACTGACATGATGCTTCTTGGCTATCTCATAAGGAGTAGCAGTATGAA
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AAAGTTGAATAAGATCAGAAAAATAGCTGAGCCCCGCTATGGGACTGGAAGTGAAGGGGCCTCCAGAACCT
CCTGGCCCTTTCACTTCACCCATGCCAAATATGGCTTCTTCAAGCCAGAATCCAGGCCCCATAAACCAAAC
TAGAATTCTGGCCTCTTGCCAACTCTTCCCTCAGGCAAAGCACAGCCAGAGAAGGGGCAGCAAGAACTGCC
TTGATCTCCCTTGCTCTGTGTGGGTCTGGTGACACCCTCCACCTTCCCACGCTCTTTCAGTGTTGCTATCA
TTCCTATCAGCAAGAGCTTCCAGAGCAACCAGGTGAGGGACCTTAGGGCCTTGGGAATTTAGGGGGTGGGG
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CCCTGAGAGGATGTTAAAAATTAAATACTAAGAATAAATAAATAGCTCCCAAATGACACGAGTCAAGGAAT
GAAGGCTCCTGTCCAATCGAGTTAGGAGACCTCTCCCTCCCAGGGAAGGATCCAGAAATCTCCAACGTGCA
GGCCTGGGGGCTGGGTTGTGGATATCGACACTGGGTAGGGTGCGGTGGGGTTAGGTGTAGCTGCTGAGGTC
AGAGCAGAGGCAAGGTGGCTGGCCCGCCGGAGGGGCAGGCTGATCCAAGACGGCGGTCGANNN
Table3 5375
caccacGCGTCCGGATTTCTCTCCTCTTGAGATCCTCTGGACCTTCTCCATCTACCTGGAGTCCG
TGGCTATCCTTCCGCAGCTGTTTATGATCAGCAAGACTGGGGAGGCCGAGACCATCACCACCCACTACCTG
TTCTTCCTGGGCCTCTATCATGCTTTGTAACTGGATCTGGCGCTTCTACTTTGAGGGCTTCTTTGACCTCA
TTGCTGTGGTGGCCGGCGTAGTCCAGACCATCCTATACTGTGACTTCTTCTACTTGTACATTACAAAAGTA
CTCAAGGGAAAGAAGCTCAGTTTGCCAGCATAAGTGCCAAAGACCATCACCAGCATCTGTCCTTCAGGGTG
CTCGGACAGAATTCTTACCACAGCAAAGGCATAAGATGCTTGATACGGAAAATCAGAAACTTAACTCTTTT
GTTGCAGATAGTCATCAGTGGCTCTGTAAAAACGCAGAGGAAAAGAGCCAGAAGGTTTCTGTTTAATGCAT
CTTGCCTTATCTTTTTTTATTACTGTGTACAAAGATTTTTTTACACAAAGAAACTTAATGCTGTATTAATA
AATTCAGTGTGTAGCTTCAATTGGGATAGTTCCAAAAGTGAAGATTTTGTGAGGAATAAGTGCAAATTTTT
TTTTTATTTTAAAAAATTCTTTGAAACTCTTAAGTCTTTGTGTCTGCAATGAAATTGTACTCCTTGACAGT
TGATAGATTATATATTCTTCCATCCCTCAAACTTGCATTCCACTATATTTATTTTTTGGCAAAAGATGAGC
TGTATTTGTTTGAAATCTGAGACACTATGTTCAATTGGATGTATCTGTTCAAATTTATTCCCACGTGACGT
GGAAGTCCTTCGTTGGATGTCACAACACTACATTTAAGGTTGGTAAGGATGACTTGGAGGTCCATGGTTTT
CATTACCAACATTTTAAGATTCTGAATGTCGATGGAGTCTCACTGAAGAGTCACCAAAGGTGCCTGCCCTC
CTCCCCTGCTGGGAAGTGTCAGTTGGAGACTGTCCCAAGGGTGCTGAAGAATCCAGTGGCAGGGGTTCTGG
CTGCTTTCCATCTGAGTGTGGGATGGGAGGGGTGTTCATGATCATTTGGATATAGCAATCTACTCTGAGAA
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AGATTCAAACAGTTTTCCATATCACTTTTGGGTGGTAAGATGATTTACAGTTTTTTTTTTAATTGGCAGCA
CCACTAACCATTCCTTACATTCTTTTTTGTATGTGTGGTTTTCTTTTTATTTAACCCGCAGCCGACATCGT
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GGGGCGCACACCTGTCTTTTGTGGCATGCAAATCTGGATACacctggggcgCATCCTctgggaGAgcacaa
cggcatgggaaaagtcttgggaa
Table3 5377
ccaaatatacaaaaaattagctgggtgtggtggcgggcgcctgtaatcccagctactcgggaggc
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AGCACTTCTTTTTTGCCAGCATTTGGCATGTCTATAAGAGGTTAGAAAAAGTCAGAATCTATAGAATTGATG
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TCATCTGCAAAATAACTTTTTTAGGTCAGAATGCTATATTTTTAACCACAGATGCTGACCTTGACCTTGAC
TGGTAAATATTTCCAGGCACCATATGGATGACAGGACAGACGCCATTCAGTTGGCCAAATCTGATATATGC

Table 6
2977/3331

CCTACTTGGCTTGTGAAAATTTTTGAGTATCTCTTAACCCCAAACCTCCTGGTTCTCTGAAACTGATTGTC
TTAATCTGATTCCCAATACTTTTAAAAACAAATAAACAAAACATTCCCTGAAAGATCACACATATAAGTAT
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ATCTCTGGATGGCTATGTAAGCTGTGAGAAAGTCCCCCACTGGCTTTGCACTTGCTGCGCACCAGAGGTGA
CCATCCAGGCAGTATCAACCTGAAGAGGGGGTGAATCCCAGCAGCTGCTCGATGGGCTTAAACCGCCACTC
GTCAGCCTCCAGCTCTTCTACCAAACCAGCTAGTTTTTCCATCCGAGCAACTTGCTGATCATGTTTCACCT
GTTTAAGCGTGGATGCCACTTGATAGCTAAAAACAGATTCGCAGAGGAATCTCTCAGAGCCATCTTCTAAC
ATCTCTCCAGCTCCTTTGGGGTAGGTGAAAAGGGCTTTCCGTGGTGGGGCAAGGTCTGAGACACTGAAACC
AGATCCAGTGACAGAACTTCCACTGACCCCACCAGCTGAGGAGGATGATGATGAAGCAGCCATTTCCTCTC
TAGCAGAGTTCTTACTTCACTCAGCGGCTTTAGCACTTTCCCCTACAGCCCCACCCCCAGGACCAGCCTGA
GTGGCTGCGCTCACCACGACGAGGACCGCGGCGTGTTCGCCCCCCAACAGACGGAGCCAGCGGCcCCCGCG
T

Table3 5378

NNNNGGCCCTCGAGGCCACGCGGGGAGGGTAGAGTGAGAAGCACCAGCAGGCAGTAACAGCCAAC
CCTTAGCCATTGCTAAGGGCAGAGAACTGGTGGAGCCTTTCTCTTACTCCCAGGACTTCAGCACCTAAGAC
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TCTTTACAGGGCACCTTCTGCTCTCAGGTTGGGTGACAGAATACCCTTTGAGGGAGCAAATGAACCTGATC
AAGTTTCATTAAAAGAAGACATTGACATGTTGCAAAATGCATTAGCTGAAAATGACACACCCTATTATGAT
GTATCCAGAAATGCCAGGCATGCTGATGGAGTTTTCACCAGTGACTTCAGTAAACTCTTGGGTCAACTTTC
TGCCAAAAAGTACCTTGAGTCTCTTATGGGAAAACGTGTTAGCAGTAACATCTCAGAAGACCCTGTACCAG
TCAAACGTCACTCAGATGCAGTCTTCACTGACAACTATACCCGCCTTAGAAAACAAATGGCTGTAAAGAAA
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AAATGATGAAAAAGACCTTTGGAGCAAAGCTGATGACAACTTCCCAGTGAATTCTTGAAGGAAAATGATAC
GCAACATAATTAAATTTTGAGTTCTACATAAGTAATTCAAGAAAACAACTTCAATATCCAAACCAAATAAA
AATATTGTGTTGTGAATGTTGTGATGTATTCTAGCTAATGTAATAACTGTGAAGTTTACATTGTAAATAGT
ATTTGAGAGTTCTAAATTTTGTCTTTAACTCATAAAAAGCCTGCAATTTCATATGCTGTATATCCTTTCTA
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AGTAATAGAGCAAAATTGATGTGTTTATTTATAGAGTGTACTTAACTATTCAGGAGAGTAGAACAGATAAT
CAGTGTGTCTAAATTTGAATGTTAAGCAGATGGAATGCTGTGTTAAATAAACCTCAAAATGTCTAAGATAG
TAACAATGAAGATAAAAAGACATTCTTCCAAAAAGATTTTCAGAAAATATTATGTGTTTCCATATTTTATA
GGCAACCTTTATTTTTAATGGTGTTTTAAAAAATCTCAAATTTGGATTGCTAATCACCAAAGGCTCTCTCC
TGATAGTCTTTCAGTTAAGGAGAACGACCCCTGCTTCTGACACTGAAACTTCCCTTTCTGCTTGTGTTAAG
TATGTGTAAAATGTGAAGTGAATGAAACACTCAGTTGTTCAATAATAAATATTTTTGCCATAATGACTCAG
AATATTGCTTTGGTCATATGAGCTTCCTTCTGTGAAATACATTTTGGAGACACAACTATTTTTCCAAAATA
ATTTTAAGAAATCAAAGAGAGAAAATAAAGACCTTGCTTATGATTGCAGATAAAAAAANNNNNNNNNNNNN
NNNNNNNNNNNNNNNNN

Table3 5379

NNNCCGCGGTCGCGTGGGCCGGCGACTCACCATCGTCAGTGCGCAACCGTTCGCTAACTGAAATG
ATGGCGACTGGAACGCCAGAGTCTCAAGCGCGGTTCGGTCAGTCCGTGAAGGGGCTTCTCACGGAGAAGGT
GACCACCTGTGGTACTGACGTAATCGCGCTCACCAAGCAGGTGCTGAAAGGCTCCCGGAGCTCCGAGCTGC
TAGGTCAGGCAGCTCGAAACATGGTACTCCAGGAAGATGCCATCTTGCACTCAGAAGATAGTTTAAGGAAG
ATGGCAATAATAACAACACATCTTCAATACCAGCAAGAAGCTATTCAGAAGAATGTTGAACAGTCATCGGA
TCTACAGGACCAGTTGAATCATCTGTTGAAATAGAATGACATGTAAGAGTGCTGTAGGACTCCTTTGCCTA
ATGCTGAGGAGTAAATACCTTACACAGCTGTCCTCTGGGTTTGGTTTTCTATTTTCTTCTCCAAAAGTTAA
GTTAGAAAAGTTCTGTGTTAGGGCCGGGCGCGGTAGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCCGA
GGCGGGTGGATCACGAGGTCAGGAGTTCGAGACCAGCCTGGCCAAGATGGTGAAACCCCGTCTCTACTAAA
AATACAAAGAATTAGCTGGGCGTGGTGGCGGGCGCCTGTAATCCCAGCTACTCGGGAAGCTGAGGCAAGAG
AATCGCTTGAACCCAGGAGGTGGAGGTTGCAGTGAGCCAAGATCGCGCCACTGCACTCCAGCCTGGGCGAC
AGAGTGAGATTCCATCTCCAAAAAAAAAAAAAAGAAAAAAAAAAAGAAAAGTTCTGTGTTGATGTACAGTT
TCTCCTAAGAAGAAGCGAGGTGGTTGAATTTTGGAAGCACTTCTTGAATCGGATTAACCCATGCTCTTATT
GAATTTTTTCATCTGCTCTGTTTAGTTTGATATTAAAGCAAAATTAAGAGGTCTTAGTTTTTCCTATAGAA
CTTTTAATATGTCAAAAGCTATATTGTCTAAATTTCAGTACTTAAGCAAATACTGAGTAGTGTTTTAAATT
CAGAAATAGAGCTTCTATTATGAACACATGAGAATGATTTTTTTCTCTTAATCATTATTAAGGAAATATTT
TAATTTCATGGTCATATAATGGTGATAAGTAATACCTGATTGTTTCCTTTTCTGTTCTAGTAACTCAGAGG
AGATACGTGTTTTATTTGTGATAGCAAATTCCTAAATGAACATTAGGCAAGTGGTATCATTATCAGGCCAG
CTGCAGCCTCTTGCCTTGACCTGCATTCCTAGAATTTCTTTGTTGCTGTAATTCTTGATTAAGTGACCTTG
ACTTTCATTTTGTAATTTTGCTAATCATCAGCAAATTCACTTGCATGACGTTACTGCCAAATATGAAGGCA
GTTGAATTATTATGAGTGATTGTGGCAGAGGTTTGTGCCATGGTGAAAACTTTGATGTTTGTCTGTGTTCA
TTGGATCCATCTTTTTAAATGACATTACCATGAGTCTGTTGTCAAACCTAAATATCTTTGTTTGATTAAAA
TGGGACTCTATATTGTGTAGTTCAGGTCTTCATTGAACTAAGAGATTGGGAGAAATTCTGACATAGAAACA
TTTTCGGTCTTCACCTGCGGGAATTAAGGAGAGTACCAGGGATCCAATATTGTTCATATGGTGCTTGTCCC
ATCTCAAGTTACTAAGCTTTCGATTAGGTTATTTTCAACTTGGTTAACTTAGGAAAAAGGGGGGTGGCGTG

Table 6
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AGGGATTGTTAATCTACGGTTAAGGGGAAAAGGACGGCTGTGAGCATAAAAGGGTAAATTTAAAGGGTTTA
GGCGTTTCAAAACANNNNNNNNNNNN
Table3 5381
NNNNGATTCTTTGAACATATTATTGAACTCCAAAATGAATTCGACCTCCATTCAGGCTTCCTGAA
ATCTCTGAAGTTGCTGAAATTTGTATATAATTTTCCTTTTCCAATGCAAGATCTGCTGGTGACGGGAATGA
CTGTCTGGTTTTATTATGGTTTATAAATTAATAAATGGGCTATTTAATTCTGGAAAAAANAAATAAAAAAT
TTANGGTCCGCGGGGTCCTGGAACATTTATGTTCCTTTTAAAGAAACAAAAATCAAACTNTACAGAAAGAT
TTGATGTATGTAATACATATANN
Table3 5382
NNNNNACCCCGGAGATCCGTGCACTGCCTTCAGCTCTGGGTTGAACTTACAGCTGGACTAGAGGA
TGGGAAGGCATCAAAAGGAACCCAGCCCACCAGGAACTACCAGCTTAGGCTCTGACCAGGAAAGACAAGTG
TTCCAAAAGGCTTTGGGGAAACTTAAACCCAACACGCCATTTGCCGCGACGTCTTCAATGGGTTTGGAAAC
AGAGGAACAGGAGCCCAGCATCATCGGGAAGCTGAAGGTCGCTGGCATGCTGGCAGTAGGCAAAGAAGTCA
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ATCATCTACAACGGCACGCTTGTACATGAAGTGTGGAAGGACTCTGCCACAATGTCCCTGGACCCTGAGGA
AGAGGCAGAACATCCCATAAAGATCTCGTACGCTCAGTATGAGAAGTACCTGAAGTCAGACAACATGATCC
GGATCACAGCGGTGTGCAAGGTCCCAGATGAGTCTGAGGTGGTGGTGGAGCGGGACATCATCCTGGACAAC
CCCACCTTGACCCTGGAGGTGCTTCAGGCCAGCAATGGCAATACTCTGACTATCAGCATCTCCAGTCCTGC
CAGCGCACCCATAGGACGGTACACAATGGCCCTCCAGATCTTCTCCCAGGGCGGCATCTCCTCTGTGAAAC
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AGAGAAGAGTATGTTCAGGAAGAN
Table3 5384
NNGTACAACATTTCAGGATCTACTATTTCATTAAACTGAGGACAAATTCATAAAAATAAAATAGT
CCCGGCTAAAAAAGAAAAAAAGAAAAAAAATCCATTTTCAGATCTTGGAATGCTCCAGTCTTTTGCAAAGT
CGATGAGTGGCTTCAGCACTGGGGAAAGAAGCCCGAAAGGTGACCAATGGAACCTGTATTCACAGTCTTCA
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TTTTAGCAGCACAAAGTTTTCAAAGTTCAGACCATTTATTTATTTTTCTTTTTACATGAGAAAGGGTGTGT
GTTAACAGGAATATGGATATTAACAGAAACAAGTGCCTCACATACAGTTCCTTTTTTGCTTTCTGTACACT
GCTATCTGCTGCTTTGTTGGCTGCGCTCTGGATCACTCGCTGCTCAGACTGCCTAACACAAGGACAAAACT
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TCCCTAACCAAAAACTTTTTTTAGAAAAGAAAAGTACACAGCCAATTACACAAATGGAAACAAATCCTTTA
GTATAGAAAAAAAAAGAATATTTGAAGCTCCTACCAAACAAGGAGGAAAAGAAGGGGTACAAAGAAAAGCC
AAAAGAAGGATAAATAAAAAATAAATGCACAAAGCTAACAGACACAGGTAACTAGAATTATATGCCTTTAA
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TCAAATGAGGAGCTGTCAGCTGGACCATACAAAAAGCTAAATGTACACAAAAGGTTTTTTTTTTTTTTTTT
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CAAAAACGGGGGGGGCACTATTCTTATGCACTAACAGTACCAGGAAGGGTCGCGCTTCTCTACAAACACTC
TAATCTTACCATAGCGGCTACCCAGCTCCCTCCAACCCACCTTGGCAGATGCCGTGGGGATCACTCACTGC
GCACTCTATCCGGCAGCGCGGCAAGTCATCACTCTCGCCCCCCACCACAACTGGCTACCACCACACACGCC
CCCGACAACCCAAAGAN
Table3 5385
NACGTGGGAAGGCGTCGGTCCGGGCCCGCCGGCAGCTGGCAAAAGGGGATGTCTGCAAGGCGAAA
GTTGGGTACGCCAGGGTTTGCCCAGTCACGACGTTGTAAAACGACGGGCAGTGAATTGTAATACGACTCAC
TATAGGGCGAATTGGCCAAGTGAGCTCGAATTGCGGCCGCATTTTTTTTATTTTTTTTTTTTTATTTGCCTT
TCCTTTTTAATCCTCTTCTTACTCCAACTCTTTAAAAAAAAAAACTGCCCAGAAAACCCAGTAATTAAGCAA
AAGGGAGCTCAAAGAGCCAAGGCAAGCCAGCCCAAGAGTAGCAGGGTCCCTCCCGCAGGGGCCAAAGTCTG
GATGCTGGGGTCTCCACTCAGAGCCTGGTAGTAAAAGCTGGTGCAGAATAAGGTCGTTCCGGAAGCTAGCA
ATAACCCAGCCCAGAGTGGCTTTCTGCAATGGGGCACCCCTAACAGGGCCAGGCTGTGTAAGAAGTGGTGT
TTGTTGGCCTTGTCAAACAGCTCCTTCCCGTAGGCATCTGGGAATTGGGCGCCGTGCGCCCCGTAGGAAGC
GAAGCCTAAGGCCGCAGCTCCGGACAAGGCGCCCAAGCGGCGGAAAGCTGCAGCTGGCCCGGCCATAGCTG
TAGAACAGGACGCACCGGACCAACGCCTCTAGAAGACTTTCGACGCGNNNNNNN
Table3 5386
GACGCGTGGGCACGCCCCGGAGCGGCCACAATCACAGCTCCGGGCATTGGGGGAACCCGAGCCGG
CTGCGCCGGGGGAATCCGTGCGGGCGCCTTCCGTCCCGGTCCCATCCTCGCCGCGCTCCAGCACCTCTGAA
GTTTTGCAGCGCCCAGAAAGGAGGCGAGGAAGGAGGGAGTGTGTGAGAGGAGGGAGCAAAAAGCTCACCCT
AAAACATTTATTTCAAGGAGAAAAGAAAAAGGGGGGGCGCAAAAATGGCTGGGGCAATTATAGAAAACATG
AGCACCAAGAAGCTGTGCATTGTTGGTGGGATTCTGCTCGTGTTCCAAATCATCGCCTTTCTGGTGGGAGG

Table 6
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CTTGATTGCTCCAGGGCCCACAACGGCAGTGTCCTACATGTCGGTGAAATGTGTGGATGCCCGTAAGAACC
ATCACAAGACAAAATGGTTCGTGCCTTGGGGACCCAATCATTGTGACAAGATCCGAGACATTGAAGAGGCA
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AAAATGCAGAAGTCTCCATGGACGTTTCCCTGGCTTACCGTGATGACGCGTTTGCTGAGTGGACTGAAATG
GCCCATGAAAGAGTACCACGGAAACTCAAATGCACCTTCACATCTCCCAAGACTCCAGAGCATGAGGGCCG
TTACTATGAATGTGATGTCCTTCCTTTCATGGAAATTGGGTCTGTGGCCCATAAGTTTTACCTTTTAAACA
TCCGGCTGCCTGTGAATGAGAAGAAGAAAATCAATGTGGGAATTGGGGAGATAAAGGATATCCGGTTGGTG
GGGATCCACCAAAATGGAGGCTTCACCAAGGTGTGGTTTGCCATGAAGACCTTCCTTACGCCCAGCATCTT
CATCATTATGGTGTGGTATTGGAGGAGGATCACCATGATGTCCCGACCCCCAGTGCTTCTGGAAAAAGTCA
TCTTTGCCCTTGGGATTTCCATGACCTTTATCAATATCCCAGTGGAATGGTTTTCCATCGGGTTTGACTGG
ACCTGGATGCTGCTGTTTGGTGACATCCGACAGGGCATCTTCTATGCGATGCTTCTGTCCTTCTGGATCAT
CTTCTGTGGCGAGCACATGATGGATCAGCACGAGCGGAACCACATCGCAGGGTATTGGAAGCAAGTCGGAC
CCATTGCCGTTGGCTCCTTCTGCCTCTTCATATTTGACATGTGTGAGAGAGGGGTACAACTCACGAATCCC
TTCTACAGTATCTGGACTACAGACATTGGAACAGAGCTGGCCATGGCCTTCATCATCGTGGCTGGAATCTG
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CCAGCCTGCCAGCTATGAGCAAAGTCCGGCGGCTACACTATGAGGGGCTAATTTTTAGGTTCAAGTTCCTC
ATGCTTATCACCTTGGCCTGCGCTGCCATGACTGTCATCTTCTTCATCGTTAGTCAGGTAACGGAAGGCCA
TTGGAAATGGGGCGGCGTCACAGTCCAAGTGAACAGTGCCTTTTTCACAGGCATCTATGGGATGTGGAATC
TGTATGTCTTTGCTCTGATGTTCTTGTATGCACCATCCCATAAAAACTATGGAGAAGACCAGTCCAATGGC
GATCTGGGTGTCCATAGTGGGGAAGAACTCCAGCTCACCACCACTATCACCCATGTGGACGGACCCACTGA
GATCTACAAGTTGACCCGCAAGGAGGCCCAGGAGTAGGAGGCTGCAGCGCCCGGCTGGGACGGTCTCTCCA
TACCCCAGCCCCTCTAACTAGAGTGGGGAGCATGCCAGAGAGAGCTCAATGTACAAATGAATGCCTCATGG
CTCTTAGCTGTGGTTTCTTGGACCAGCGGCATGGACATTTGTCAGTTTGCCTTCTGACGGTAGCTTTTGGA
GGAAGATTCCTGCAGCCACTAATGCATTGTGTATGATAACAAAAACTCTGGTATGACACATTTTCTGTGAT
CATTGTTAATTAGTGACATAGTAACATCTGTAGCAGCTGGTTAGTAAACCTCATGTGGGGGTGGGGTGGGG
GTGTATTCCTTGGGGGATGGTTTGGGCCGAATGGGGAGTGGAATATTTGACATTTTTCCTGTTTTAAATTC
TAGGATAGATTTTAACATCCTTTGCGGTCCCAGTCCAAGGTAGGCTGGTGTCATAGTCTTCTCACTCCTAA
TCCATGACCACTGTTTTTTTCCTATTTATATCACCAGGTAGCCTACTGAGTTAATATTTAAGTTGTCAATA
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CAGCTTTGAAACCAAATCTGTGTATCTAATACTAACCAATCTGTTGGATGTGGGTTTTAAAAAATGTTTGC
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AAAATGCGTTTTATTTTGATAAGATACTTCAAATAGCCTCCAAAAGTGTAGATCCAATCACTTAAATAAAC
CTGTATGTATATGCATATGTGTACATGCATATCCCCTCACCACAACAAAAGGGGGGCCGAAACACACCAGG
GCGCGAACAGAACGCACGTAGTAGTAAGAGGCAATAGGGGTAAAACAGGCGAGAAACTACAGCGAAGCACG
GAGAGAAACCACAGTGGGTGGACCACACACAACAAACAGTGCAAGCCAN

Table3 5388

NNNNNCNANNTTTTNAAAANCNNNAAAGTTAACTGGTAAGTTTAGTCTTTTTGTCTTTTATTTCA
GGTCCGGGATCCGGTGATCCAAATCTAAGAACTGCTCCTCAGTGAGTGTTGCCTTTACTTCTAGGCCTGTA
CGGAAGTGTTACTTCTGCTCTAAAAGCTGCGGAATTCTAATACGACTCACTATAGGGAGTCGACCCACGCG
TCCGCTTTGGCCTGGGACTCTGCCCCTCTACCTCAGCACAGAATCGCCCCGGGTCCTACTACAGAATCAAT
CCTTGAACACTGCCTCCACGTCGCCGGCTCAATCTGGGCGAGAACCCAGACTTCCACCGCAGCCCCGCAAT
CTGCAGACCTCAGCGGCAGCGCAGGTGGCAGACCTGCCTCCTTTGCCTGTGAGTCATGGCAGCTCCCATGA
ATGGCCAAGTGTGTGTGGTGACTGGTGCCTCCAGGGGTATTGGCCGTGGCATTGCCTTGCAGCTCTGCAAA
GCAGGCGCCACAGTTTACATCACTGGCCGCCATCTGGACACCCTTCGCGTTGTTGCTCAGGAGGCACAATC
CCTCGGGGGCCAATGTGTGCCTGTGGTGTGCGATTCAAGCCAGGAGAGTGAAGTGCGAAGCCTGTTTGAGC
AAGTGGATCGGGAACAGCAAGGGCGTCTAGATGTGCTGGTCAACAATGCTTATGCAGGGGTCCAGACGATC
CTGAACACCAGGAATAAGGCATTCTGGGAAACCCCTGCCTCCATGTGGGATGATATCAACAACGTCGGACT
CAGAGGCCACTACTTTTGCTCAGTGTATGGGGCACGGCTGATGGTACCAGCTGGCCAGGGGCTCATCGTGG
TCATCTCCTCCCCAGGAAGCCTGCAGTATATGTTCAATGTCCCCTATGGTGTGGGCAAAGCTGCGTGTGAC
AAGCTGGCTGCTGACTGTGCCCACGAGCTGCGGCGCCATGGGGTCAGCTGTGTGTCTCTGTGGCCGGGGAT
TGTGCAGACAGAACTGCTGAAGGAGCATATGGCAAAGGAGGAGGTCCTGCAGGATCCTGTGTTGAAGCAGT
TCAAATCAGCCTTCTCATCTGCGGAAACCACAGAATTGAGTGGCAAATGTGTGGTGGCTTTGGCAACAGAT
CCCAATATCCTGAGCCTGAGTGGTAAGGTGCTGCCATCCTGTGACCTTGCTCGACGCTATGGCCTTCGGGA
TGTGGACGGCCGCCCCGTCCAAGACTATTTGTCTTTGAGCTCTGTTCTCTCACACGTGTCCGGCCTGGGCT
GGCTGGCCTCCTACCTGCCCTCCTTCCTCCGTGTGCCCAAGTGGATTATTGCCCTCTACACTAGCAAGTTC
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TGAAACAGCAGCCTTTCTTGTTTACCCATACCCTTGATATGAAGAGAAGCCCTCTGCTGTGTGTCCGTGGT
GAGTTCTGGGGTGCGCCTAGGTCCCTTCTTTGTGCCTTGGTTTTCCTTGTCCTTCTTTTTACTTTTTGCCT
TAGTATTGAAAAATGCTCTTGGAGCTAATAAAAGTCTCATTTCTCTTTCAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAANNNNNNNNNNNNNNNNNNNNNNNNNNNN

Table3 5390

NNNCGATTAATCGATTCCTAAAGATTTGGCTCGAGGCAAGATGGGGCCAGGGAGGATGAAGAAAG
AAGAAGGACTCCCCAGAAAACACGGGACTTCCCCGGAAGCTACTTGAAAAACATGACCCCTGGCCGGCCTA

Table 6
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TGTCACCTATACCTCTCAGACAGTGAAAAGACTCATTGAGAAAAGCAAAACTAGAGAACTGGAATGCATGC
GTGCCCTCGAGGAAAGACCCTGGGCATCAAGGCAGAATAAACCTTCCAGCGTCATTCAGCCGAAAAGGAGG
AAGTCTTCCAAGTCTTCTGGCAAAGCTGTGTTCAGGGACACGCTGTCAGAATCCACGTTATCAATGTGGGG
CGCTTATTCGGTATTGGCCATGGCTCCTACCATGATCCCAGAACCCACACACTTACATGCGGATTCCAGAG
ACTGTCCAACTGAAAACTATAACAAGATCATCTTTGCCCGCAAGCCTATGATGAGGATGCTCCCTACAGTT
CGCTACTGACCAACAAGGAGAAACATGCAAATGTTTTAGCCAGGGGTCCCTGCAGCCATTCCCCAAGAACG
TACAAAAGTTAAGCTCCATTTACCACTCACTTGACAGTGTCCTTTAAATCTGAACTTGCTCTTGCTCATGC
GGAGCTTGGCTAAGAGAAACCAGATCAGAATGCAAGCTGTAGGTGGGTGGGTGAGTGTGTCCCCTCCCACA
CTGCTCTCTGGTGGGTTTGGGCAGTCCCTGGCTCTAGTCTCTGCTGCAGATTCTCAGGACCAAAATGTGGG
TGATTTGTCTGGGTCCAGGCAGGAGACAGAAATCACACAAGCTCTTTTATTAGAGATAATATAAAGAATGA
TTAACCAGGTGACAGTAAAGGGCAGGAAGGGAATACAAAGGTATCCATGGAGGTAGCACCACAGGAAGCAG
GCATCACACTTGAGGCTTGGGAACAAGGGGAAGATGCTGGACTCATTGAAAGGTGGTTGCTTGGAGAAGGG
ACATGGGGCTGAATCTCAGACTTCTGAGGTGGGGGAGTGGGGATGCCACTCAATGCAGCTGGTATCTCTGA
GCTCTGAGGAGAGTCCTGTGGGGATGGTGCCCCCTCCTCTGAATAGGGGAGATGTTTTGTTGGTGTCTCTG
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GAGTTGCCACTGCCTGGGTGAAGAAAAAGCACTGCTAGGGTTAGCAACCTGTCTGGCAAGGGACAGGAAGC
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CAGATTCCTTCTAGCTCCCCCTGGGGGCTGAGCCTATCAGGGCACAAAGCCAGAATGTGGTTTGTAGAATC
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GTGGAACCAAGTGCTTGGGGGAGGAGCTCCTGGCAGCACTCCAGCTGGAGAGTCAGAGGACAGCTAGGATT
GGTTCACCCTTGCTCTGAGTTGGCCCAAGCGAGCTATGCTGAACTCTTCTCCATCTCCAAGCAGACAACCT
TTGTCTTTACATGCAAGAGGGATCCAATTATGACAGGCTGACCCAGCTGGTTTCATGTTTGGGGTTTATCT
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CCTCACAGAGATGTAGAGGATGAGATGTAGTAACTTATAGCAGTGTCATTTGGAAAAGTTGAATTTGCCCT
ACAAGGCATGTTCTCCATTCAAGGGTCTTGTGTAAACGTTTGCAGACACAGGTGCAGCTTTGGAGAACTCA
CCTCTGGCTCTTGTGCTTTTATGTTGGGACAGCTGCCTAAATTAGGAGCTCTAGACCTGTTATTGGTTCCC
AACTGTTGGCCAGAATGAATTCTTCGAAAAATATAGGTGGTTTCCAGGGAATTTGAATGATTGTATTTTGT
GTCCATGGAACGTTTATAGACATGGAGGCAGGCAATAAATTCCTCCAATAAAAAAAAATAAAGGAGAAAAA
AAAAAAAAACTCGAGGGGGGGCCCGGTACCCAATTCGCCCTATAGTGAGTCGTATTACAATTCACTGGCCG
GCGTTTTACAACGTCGGGACTGGN
Table3 5391
CGCGTCCGGTTCCCGGAGGACACGGGCACGTACACCTGCGAGGCCTGGAACAGCGCTGGAGAGGT
CTCGCACCCAGGCCGTGCTCACGGTACAAGAGCCTCACGATGGCACCCAGCCCTGGTTCATCAGTAAGCCT
CGCTCAGTGACAGCCTCCCTGGGCCAGAGTGTCCTCATCTCCTGCGCCATAGCTGGTGACCCCTTTCCTAC
CGTGCACTGGCTCAGAGATGGCAAAGCCCTCTGCAAAGACACTGGCCACTTCGAGGTGCTTCAGAATGAGG
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TGAAATCCGCTAGCAAAGAAGAACTCAAGAAAGACGTTAAGAATGATGTGAACTGCAAGAGAGGCCATGCA
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GGTACGCGCAGGAGAGTCAGTGGAGCTGTTTGGCAAAGTGACAGGCACTCAGCCCATCACCTGTACCTGGA
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AGCATCGAGATCTGGGACTCAGCCAACAAGACGTGGAAGGAACTAGCCACATGCCGCAGCACCTCTTTTCAA
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CATCGACTTTGGTCTGGCCAGGAGGCTGGAGAATGCGGGGTCTCTGAAGGTCCTCTTTGGCACCCCAGAAT
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GCAGGAAATCCTCAACAGGGTCACCAACCAGCCCGCTCAATGCAGAAAAACTAGAATCTGAAGAAGATGTG
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TGGGTTGATTCTTCAGAAACAGCAGTTGATACCTAGCAGCGTTATTGATGGGCATTAATCTATGTTAGTTG
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TTAGAGAGAAAGTAACCAAACCAAATATTTATCTGGGCAAAGTCATAAATTCTCCACTTGAATGCGCTCAT
GAAAAATAAGGCCAAAACAAGAGTTCTGGGCCACAGCTCAGCCCAGAGGGTTCCTGGGGATGGGAGGCCTC
TCTCTCCCCACCCCCTGACTCTAGAGAACTGGGTTTTCTCCCAGTACTCCGAGCAATTCATTTCTGACAAG
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CTTGCAGTTTTGGCTGGACTCTCCACTGGTCATGGAGTGTACAGCATTAGGCACATTATGCTTCTGCGATT
CTGAAGACGGTCCCGGTCATGGATAGACTCTGGGTCCCTTAGGAAAATATTTTCTTCCAAATTCCAGAGGA
AGTTTAGTTATTCCCCTTTTGCAAATGTCTACGCGGTCGCGACTTTGGCTTACACCCTGGGACACACAAAT
CTTGCGAATGTGTTCCTTGGCACCAGCTCTATTTGGGGGGTAACATCACGCTCGACGTGGAGACTCGTGTG
GAAATGCAGAACGTGGGCAAGAGGTCAATCTTGCGAGAACGACTAGAGAAAGAGACAGAAGTGTCCCACGA
NN

Table3 5392

caaacgctggaggatcattcatttatGACCGGCCATGGTCATAAACACTTTCTTATAGCTGACTG
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TCCTCGGCTGAGTCCGTGGACCAGAGGCCTCTCTCTTcCCCGCTCAACCTCCGGCCCTTTGGCGTTTGGGC
AGATACAGGCATCAGCTTCTCTAACTCTGCAGCACTTTTGCTTCTGTCTTGATTCCTCTGCTTTTTAGGCA
CAGTTTTCTTCTCTAAGAAAGCGTTCTTGTTCTCTAGCTTCCTGTTCTCTCTAGTGTCCTCAGCCTTTCTC
GGGGTCTTCTTTTTCCTCCTGCCTCTGACATCGGTATCCTCCTCAGCACTCATGGCACTGTCTAGGGGCTT
CTCAAAGCCATGCTCCAGCCCCATGTCCTGCCCTGCTCTCTCTCTTGCACTTTTAGTGTTTTGTTTCTCTT
CTCTGCTGTCGGAATGTAGCCCTTCACTGTCATCCTCTGGAAAGGGAGAATCATTAAGTACACTTGATTCA
GATTCCACCTGGGATTCGACAAATTTTTCTTTTTTTGTTTTTCTATTTTCTTTGGGATCTTCTCTTGTTTT
CGTCTTTAAATCTCTTATTTCACCCTTTTTAACTTTCTTTAATTCTTTTGTTTCTTTTACTTCATCTTTTT
TGGGCTTTTTGGACTCCTTTAGTTCTTCTTTGGCTTCAGAAATTCTTTTCTTTGTCCTTAAATCAAAAACT
AAACTTTCCAAGGAGCTCTCCAGGTCTGGTTTGGACTTGTCTTTTAGCTTCCCGGCCTTTGCTTTTTTCTT
TTTCAGATCATCTGGGCTTTTCTCTTCTCTCTGCCTCAATTTTTTCTTTTTCTTCTTTGGGGAAGTATCTT
CTTTTGTCTCACTTTGCTGATCGCTATCAGAGTTCGCCTCAAATATGTCGTTATTTAAGGATAGTCTCTGA
ATATCCTTCCTGACTGCTTTGGCTTTGTTCTCTGCAATTTTCTTCCTAAATTCAAGAAGCACTTCTTTACA
GTCCTCCAGGTGAATCTCGGGCTCCCAGGTATCATCATCCGATGTATAGCCTTTCCAGCGAACTTTGTAAA
GAACTTTACCCCCCTCGGTCTTCATGTCCAGGATCTTCTCCACCTCGAACACATCCTCTCCGTCCTCCTCA
CTGTCGCCAAAGGCCTCCGCTCCTCTCGCGGCTGCGTCATTATCTTCGCCCACTACTCCAACTCCTTCTTC
GACTTCGGCCAACTCCTCAGTGCTGTCGGCAGCTGACACAGGGACTGCGGTCACCCTTGCTCCCTCCGCAA
CCTGCTCCATCCTAGCAGCTCCGCAAACCGCCGAGGAAAACCCGCTGCGACAAACACCCCAGCAGCCCCTC
GCGTTCCGCGCTCGGCCCTACTCCACCGGACGcgtggtcgac

Table3 5393

CAAGGGTGTCGCCCCGCGTCCGCACTGGACTTGTAAACGAAAAGCTTCATAAGTCCCTCTTTGCT
TAGTACTTTTCTCGTCCTTTCCCCAGGGTGCACGTAACCCTCAAGCACTAGGACCGTGCGGAATCCAGGCT
GCGATGGCACCTTCATTTACCGCCCGCATTCAGTTGTTCCTCTTGCGGGCGCTAGGCTTTCTCATAGGCTT
AGTAGGCCGAGCAGCTTTAGTCTTAGGGGGTCCAAAGTTTGCCTCAAAGACCCCTCGGCCGGTGACTGAAC
CATTGCTTCTGCTTTCGGGGATGCAGCTGGCCAAGCTGATCCGACAGAGAAAGGTGAAATGTATAGATGTT
GTTCAGGCTTATATCAACAGAATCAAGGACGTGAACCCAATGATCAATGGAATTGTCAAGTACAGGTTTGA

Table 6
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GGAAGCGATGAAGGAGGCTCATGCTGTAGATCAAAAGCTTGCAGAGAAGCAGGAAGATGAAGCCACCCTGG
AAAATAAATGGCCCTTCCTTGGGGTTCCTTTGACAGTCAAGGAAGCTTTCCAGCTACAAGGAATGCCCAAT
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TCTATGGCCGATCAAACAACCCATATGATTTACAGCATATTGTAGGTGGAAGTTCTGGTGGTGAGGGCTGC
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Table3 5394
CGTCCGCGCCTTCCTCcgacgCACTGTGgggggctGCAGGGGAAGCTGCGGGCCGTGGGGGCCGGA
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CCAGGAGGGGAAACATCACACCTGCCCTAAACCCTGTTCCTGGAGGTCAGCATTTGATCTGTTGCAAGCCC
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Table 6
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GGGGGGGCCCATCTCTTCTGGGCGTCCTTGTCTCTGGGCCACTTGGAGTGTGTGATAAATCAGTCAAGCTG
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CAAGGAGGGTGTAATGGAGCATCAAGCCACTCGGCGGCAGCATGGAGCTATAACTAAGCATCCTTTAGGGT
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ATAAAAAAAAAAAAAAAAAAAAAGT
Table3 5395
tATAgggagTCGACCCACGCGTCCGCGTCCCTGGCCACGTCGCGGGCGATCTCGCCATCTTCGCC
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TTTTTTTATGTGATACACCATAAATATTAAAGTGTTGAATACTAAAAAAA
Table3 5396
ACAGGTGTGCACCTACTGCAAGAAATGAAAGTGATTGGGAATGAAGCAAGATAACAGTTATTCAC
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GGAATTGTACTTTGAGAAGGCGGGAGTACTTTGTGGAGATGTACTACCGGAATGAGACGCAGCACGAGCCG
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Table 6
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GATCCCTCAAGACTGGTCCACGGAGTGTATGACCACAAACAGCCATCAAGGTACTGAGGACAGTACAGATT
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Table3 5399
NNNNCCCGGGATCCGGTGGGTGGTGCAAATCAAAGAACCTGCTCCTCAGTGGATGTTGCCCTTTA
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Table 6
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AGAACGCTTCCAGGCAACATGCGTGAACACACGTGCCCCACATAGCTCAGCTTCCCTGCCACCAAAGTGTA
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GTAATCAATCATGATACGAGGCATGTAAGCAAATGGCCTGTGTGCCCCATAGCTGTCATCGTTTATGTGAT
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AAAAAAAAATGGATCACAAACACACATTTGCACACACAGAGAAAAAAAAAGTGTCTTTAAATTATTTTCGG
CAATTATAAACTACAAACATTTTATAAAATTATTCTGTTCTTACAAAAATGCAATGAAACATTTAATTAGT
TCTTGTAAACCAGATCTTCGTCAACTGACTACCCGTAATCTACTGGACTTAAGAGCCCTATTGAAAACGCT
AATGAGTGACTAGTTAAAACAATGTTGACCAGAAAGATGCGGACACACACACGTGGGACATAAAAATGAGT
GATCGTTATGTTCTCGCAGAAACAAAACGCTAAAGTCATGCCCCAGAACTGACAACTGACGAGTGCGATGT
AGTTTGTGTTCTTGAACAATTCGCCTTAACTCCGAGATCAGTTTCCAGAGTAGGATGTTAGGTTTCTTTGT
TGAAACCAAATGCCCACGGATGACTGCTGAGCCTCGATGTGGTCTGATAGCTTCAAGAACAATCAAGTTCA
AAACCTTGCCCACATTCCTTCCAAGCCCTGCACCCTGCTGCTCGTAACTCTTCTCTGTGCCAGGATCCCTG
TGACAATGGTTCTGTACCCACCACCCGGTCATTCCACCATCAAGGAGCACTCACTTCTCCAAATGACGCAA
CCAGTCATCTAAGATGAAGGCCAAAAATGAAACCCTCTGACCTGTCCAAGGTCTGTATCTTCAGCATCTCT
GGCAACAGAGGTTCAGTCTAAATAACATCCTCTCTTGAAGTTCTCCGGACGCGTGGGTCGACN
Table3 5400
NCGAGGGTGCGATGGCGCGGACGCGGGACCGCGTACGCCCTGCTGCTTCTCCTGATCTGCTTTAA
CGTTGGAAGTGGACTTCACTTACAGGTCTTAAGCACAAGAAATGAAAATAAGCTGCTTCCTAAACATCCTC
ATTTAGTGCGGCAAAAGCGCGCCTGGATCACCGCCCCCGTGGCTCTTCGGGAGGGAGAGGATCTGTCCAAG
AAGAATCCAATTGCCAAGATACATTCTGATCTTGCAGAAGAAAGAGGACTCAAAATTACTTACAAATACAC
TGGAAAAGGGATTACAGAGCCACCTTTTGGTATATTTGTCTTTAACAAAGATACTGGAGAACTGAATGTTA
CCAGCATTCTTGATCGAGAAGAAACACCATTTTTTCTGCTAACAGGTTACGCTTTGGATGCAAGAGGAAAC
AATGTAGAGAAACCCTTAGAGCTACGCATTAAGGTTCTTGATATCAATGACAACGAACCAGTGTTCACACA
GGATGTCTTTGTTGGGTCTGTTGAAGAGTTGAGTGCAGCACATACTCTTGTGATGAAAATCAATGCAACAG
ATGCAGATGAGCCCAATACCCTGAATTCGAAAATTTCCTATAGAATCGTATCTCTGGAGCCTGCTTATCCT
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CAGCAGCTACACTTTGACAGTAGAAGCAAGAGATGGCAATGGAGAAGTTACAGACAAACCTGTAAAACAAG
CTCAAGTTCAGATTCGTATTTTGGATGTCAATGACAATATACCTGTAGTAGAAAATAAAGTGCTTGAAGGG
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TGATAATTGGCTGGCAAATTTTACATTTGCATCAGGAAATGAAGGAGGTTATTTCCACATAGAAACAGATG
CTCAAACTAACGAAGGAATTGTGACCCTTATTAAGGAAGTAGATTATGAAGAAATGAAGAATCTTGACTTC
AGTGTTATTGTCGCTAATAAAGCAGCTTTTCACAAGTCGATTAGGAGTAAATACAAGCCTACACCCATTCC
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GCGAGAGCATGGATAGATCAAGCAAAGGCCAAATAATTGGAAATTTTCAAGCTTTTGATGAGGACACTGGA
CTACCAGCCCATGCAAGATATGTAAAATTAGAAGATAGAGATAATTGGATCTCTGTGGATTCTGTCACATC
TGAAATTAAACTTGCAAAACTTCCTGATTTTGAATCTAGATATGTTCAAAATGGCACATACACTGTAAAGA
TTGTGGCCATATCAGAAGATTATCCTAGAAAAACCATCACTGGCACAGTCCTTATCAATGTTGAAGACATC
AACGACAACTGTCCCACACTGATAGAGCCTGTGCAGACAATCTGTCACGATGCAGAGTATGTGAATGTTAC
TGCAGAGGACCTGGATGGACACCCAAACAGTGGCCCTTTCAGTTTCTCCGTCATTGACAAACCACCTGGCA
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ACTCACAGTTTGTGAGTGTCTGCATGGCAGCGGCTGCAGGGAAGCACAGCATGACTCCTATGTGGGCCTGG
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Table 6
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CTTCCAGAGACATGGCCGGAGCTCAGGCAGCTGCTGTTGCACTGAACGAAGAATTCTTAAGAAATTATTTC
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TCAGGAAGAAACTGAATCGCTGAATGCTTCTATTGGTTGTTGCAGTTTTATTGAAGGAGAGCTAGATGACC
GCTTCTTAGATGATTTGGGACTTAAATTCAAGACACTAGCTGAAGTTTGCCTGGGTCAAAAAATAGATATA
AATAAGGAAATTGAGCAGAGACAAAAACCTGCCACAGAAACAAGTATGAACACAGCTTCACATTCACTCTG
TGAGCAAACTATGGTTAATTCAGAGAATACCTACTCCTCTGGCAGTAGCTTCCCAGTTCCAAAATCTTTGC
AAGAAGCCAATGCAGAGAAAGTAACTCAGGAAATAGTCACTGAAAGATCTGTGTCTTCTAGGCAGGCGCAA
AAGGTAGCTACACCTCTTCCTGACCCAATGGCTTCTAGAAATGTGATAGCAACAGAAACTTCCTATGTCAC
AGGGTCCACTATGCCACCAACCACTGTGATCCTGGGTCCTAGCCAGCCACAGAGCCTTATTGTGACAGAGA
GGGTGTATGCTCCAGCTTCTACCTTGGTAGATCAGCCTTATGCTAATGAAGGTACAGTTGTGGTCACTGAA
AGAGTAATACAGCCTCATGGGGGTGGATCGAATCCTCTGGAAGGCACTCAGCATCTTCAAGATGTACCTTA
CGTCATGGTGAGGGAAAGAGAGAGCTTCCTTGCCCCCAGCTCAGGTGTGCAGCCTACTCTGGCCATGCCTA
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TACCAGATTCCCACTGAAAATTCTATGACGGCTAGGAACACCACGGTGTCTGGAGCTGGAGTCCCTGGCCC
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CCAAGCATAGCACTGTACAGCATTCTTACTCCTAAACAGCAGTCAGCCACAAACTGACCCAGAGTTTAATT
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CAGCTACTTGGGAGGCTGAGGCAGGAGAATCACTTGAACCCGGGAGGCGGAGGTTGCAGTGAGCCGAGATC
GCACCATTGCACTCCAGTCTGGGCCAACAGAGTGAGATCCCGTCTCAACAAAAAAATGGGAACAGGGAAAC
AAATGCATTAATAACCTTTCCTGGTCTAAACCGCATGAAATTTTGAACCCTCCAATTGGGTGAGTTAACCA
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CGGTATTCCTTTTCTTTGTAAN

Table3 5401

NNNNCCAGGGCTATTGGTTGAATGAGTAGGCTGATGGTTTCGATAATAACTAGTATGGGGATAAG
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CAGAGCTCTACCACAAAATAGGTGTTGGCGCAATGGCATGGTCTCCACTTGCCTGTGGAATCATCTCAGGA
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TGTAAGTGAAGAAGGGAGAAAACAGCAAAACAAGCTAAAAGACCTTTCCCCAATTGCGGAGCGTCTGGGAT
GCACACTACCTCAGCTAGCTGTTGCGTGGTGCCTGAGAAATGAAGGTGTGAGTTCTGTGCTCCTGGGATCA
TCCACTCCTGAACAACTCATTGAAAACCTTGGTGCCATTCAGGTTCTCCCAAAGATGACATCACATGTGGT
AAATGAGATTGATAACATACTGCGCAACAAGCCCTACAGCAAGAAGGACTATAGATCATAAGGCAATGCAT
GAACCACAGAAGCTGCATGGTTAAAATAGCGGCCTGTGCCCAGTACAGAAAGGTGTTACTAACCAGTCTTT
TGAATCACTTAGCAGCTTGCTGCTCAACCTCTAGTGTCCCTCCCTGGATTCTTTGAGGTGTCTGCTGTCGC
TACCACTGTGCACATCTGAAAACTCACAACCAAGAAAATCCATTCTATTTTCTTATCTTGGACTGGGAGTC
ACCTATTCTTGCATTGCTGTATACACCTCATGCTTATGGCAATGGGGAAGAATATGGGGGGCCAGGGGGTG
TGGTACTACCCCTCCGGGCATTTGGGAAACTTCAAAAGGAGGGTGTTACANN

Table3 5402

NCGACCCACGCGTCCGCTCGACGGTGCCCTAGGTGCCGTGGGGCCACACGCGAGTCTGATAAGCA
CCCTCCCCCGGAATCATGCGGTGCTGTGAGGCCTAGCGAAGATGAAGATAGAATGCAAGGTAGAAAGTGCT
GGATACCTTTAGAAAGCTGCAGGACTGGTGCGATGGGAGTTGAGACGTAAGAACCTGCCCGTCCGTAGGGC
TCTGGATGCTGCTGAGGCCCGAGGCCCCTATGGCAGATTTGAAAATTCACCCTTGTAGAGTCATTCCTGCC
TTTGAGCGGACTCCCTTTTAAGTTTACAGAAGCACTTGCAGAACTCATCAGAAGCCACCCCGCTTATCAGC
AGATCTCAAGAGAGCGTTCGGTGGAGGCCCTGGGTCTGCACAGCTCACCTCCCTGGGAACTGCTCGCCCGA
GCGTCGGAGCCGGCGCTGGCCCCCTGCAGCCGGAAGGTTGCAGCCGCAGGAGCCCCGGAGGCCCAGGACAC
AGGGCTCTTGCTCTTGCAGAATCCACAGGTCTTTCTTGAGGAAATCTGTAGACAGAACTTTGTGCTGCGTT
TTTATCTACGGAAGGAACAGACGAGTGTCGTCTCCTAGAAATCTAGCACTGGAGAAACGAGGAAAATTCTT
CCAGCGATGGTCTCCCACTCAGAGCTGAGGAAGCTTTTCTACTCAGCAGATGCTGTGTGTTTTGATGTTGA
CAGCACGGTCATCAGAGAAGAAGGAATCGATGAGCTAGCCAAAATCTGTGGCGTTGATGACGCGGCGTCAG
AAATGGAGCTGGTGAATATGCAGGTTTTGATGAGACGCAGCCAACAGCTGAATCTGGTGGAAAAGGAAAAG
TGATTAAACTTTTAAAGGAAAAATTTCATTTTAAGAAAATAATCATGATTGGAGATGGTGCCACAGATATG
GAAGCCTGTCCTCCTGCTGATGCTTACATTGGATTTGGAGGAAATGTGATCAGGCAACAAGTCAAGGATTA
CGCCCAATGGTATATCACTGATTTTGCAGAGCTGCN

Table3 5404

NNAAATCCTGTCCTGCAACCGATGCCTTTGTCCAGGAAAAAACGGCACAGTGATTTAATGGTAAG

Table 6
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TCACTATAAACATGAAGGGAAAGACTGCCATCCAAGGAAGCGCAGAAAAGGACACCCCTCAGGTCCTGGAT
GGAGGAGGATGACCCCCAAGTCCTGGATGGAGGAGGAAGACCCCCAATACTGGATGGAGAAGGATGCCCCC
AGTCCTAGATGGAGAAGGATGCCCCCCCTCAGTCCTGGATGGAGACGTCATGAGTAACTGTCGGTAAGAAAC
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GCACTCGGGGACCCTCAAGCCTTCTGGAACAAGCCCTGCCATCCTCCGCCGCGGGCTCAGCGGCAGCTGCC
ACCTGCACACTCCTGGAAGCAGCAGCGGTGGCAGCTCTGGTCTCTGCCAGCTCCCCCCGCGT
Table3 5406
CAAGGGTGTCGCCCCGCGTCCGCACTGGACTTGTAAACGAAAAGCTTCATAAGTCCCTCTTTGCT
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GCGATGGCACCTTCATTTACCGCCCGCATTCAGTTGTTCCTCTTGCGGGCGCTAGGCTTTCTCATAGGCTT
AGTAGGCCGAGCAGCTTTAGTCTTAGGGGGTCCAAAGTTTGCCTCAAAGACCCCTCGGCCGGTGACTGAAC
CATTGCTTCTGCTTTCGGGGATGCAGCTGGCCAAGCTGATCCGACAGAGAAAGGTGAAATGTATAGATGTT
GTTCAGGCTTATATCAACAGAATCAAGGACGTGAACCCAATGATCAATGGAATTGTCAAGTACAGGTTTGA
GGAAGCGATGAAGGAGGCTCATGCTGTAGATCAAAAGCTTGCAGAGAAGCAGGAAGATGAAGCCACCCTGG
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TCTATGGCCGATCAAACAACCCATATGATTTACAGCATATTGTAGGTGGAAGTTCTGGTGGTGAGGGCTGC
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CTTCAATGGTATATTTGGACACAAGCCTTCTCCAGGTGTGGTTCCCAACAAAGGTCAGTTTCCCTTGGCTG
TGGGAGCCCAGGAGTTGTTTCTGTGCACTGGTCCTATGTGCCGCTATGCTGAAGACCTGGCCCCCATGTTG
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AAAAGGTTGTGGTTCACCTTGAAACTATTCTAGGAGCCTCAGTTCAACATGTTAAACTGAAGAAAATGAAG
TACTCTTTTCAGTTGTGGATCGCAATGATGTCAGCAAAGGGACATGATGGGAAGGAACCTGTGAAATTTGT
AGATTTGCTTGGTGACCATGGGAAACATGTCAGTCCTCTGTGGGAGTTGATCAAATGGTGCCTGGGTCTGT
CAGTGTACACCATCCCTTCCATTGGACTGGCTTTGTTGGAAGAAAAGCTCAGATATAGCAATGAGAAATAC
CAAAAGTTTAAGGCAGTGGAAGAAAGCCTGCGTAAAGAGCTGGTGGATATGCTAGGTGATGATGGTGTGTT
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ACACAGGTGTCTTCAGTGCCCTGGGTTTGCCTGTGACCCAATGCCCACTGGGACTGAATGCCAAAGGACTC
CCTTTAGGCATCCAGGTTGTGGCTGGACCCTTTAATGATCATCTGACCCTGGCTGTGGCCCAGTACTTGGA
GAAAACTTTTGGGGGCTGGGTCTGTCCAGGAAAGTTTTAGGAGGACCTTCTGCAAGGTTAATGTGTGTGTG
TGTTTGTGTTCGTGTGGTGGTGTTTCTATTAATTGGGTGAAACCAAGCACCAGCAGACAAGCAGAGAAACA
ACTGGGGAATTTATTGACTCATTTAGTTATTCTTTCTACTTTTATTTCCTTCTCTAACTGTTGGTCTTACT
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AAGTTTCCTAAATGCTTGAAAANNNNNNNNNNNNNNN
Table3 5407
GCATGCTGCAGACCCGTCAGGGCGATGTACGCGGGGCTCTTCCTTTCTCCGCCATCGTGGTGTGT
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AAGCAAAATCGTCCCATTCCCCAGTGGATTCGGATGAAAACTGGAAATAAAATCAGGTACAACTCCAAAAG
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CTGAAGGTCACGATCATGTTACCATATCAAGCTGAAAATGTCACCACTATCTGGAcagttggtcatgtttt
attgggaatatatttttttcctctctgaatctattgtgaatgcgctggttggctgggttcagtaataaata
tgtgagacctttcatttgaaaaaataaaaataataataatttgca
Table3 5408
NNNCGACCCGTCCGTCCAGATAGCCGGCGCCTTCCTCTTCCCATCGCGCGGGTCCTAGCCACCGG
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CTCAAAGCTGCTGCCGCCCCTTGGGCTAAAAGGTTTTCAAATGGAACATTTTGATGCATCACTTAGTACCT
ATTTCAAGGCATTGCTAGGCCCTCGAGATACTAGAGTAAAAGGATGGTTTCTTCTGGACAATTATATACCC
ACATTTATCTGCTCTGTCATATATTTACTAATTGTATGGCTGGGACCAAAATACATGAGGAATAAACAGCC
ATTCTCTTGCCGGGGGATTTTAGTGGTGTATAACCTTGGACTCACACTGCTGTCTCTGTATATGTTCTGTG
AGTTAGTAACAGGAGTATGGGAAGGCAAATACAACTTCTTCTGTCAGGGCACACGCACCGCAGGAGAATCA
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CTTCATCCTGCGCAAGAACAACCACCAGATCACGGTCCTGCACGTCTACCACCATGCCTCGATGCTGAACA
TCTGGTGGTTTGTGATGAACTGGGTCCCCTGCGGCCACTCTTATTTTGGTGCCACACTTAATAGCTTCATC
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GTACATCACTCAGGGGCAGCTGCTTCAGTTTGTGCTGACAATCATCCAGACCAGCTGCGGGGTCATCTGGC
CGTGCACATTCCCTCTTGGTTGGTTGTATTTCCAGATTGGATACATGATTTCCCTGATTGCTCTCTTCACA
AACTTCTACATTCAGACCTACAACAAGAAAGGGGCCTCCCGAAGGAAAGACCACCTGAAGGACCACCAGAA
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AGCTGCGGAAGGATTGAAGTCAAAGAATTGAAACCCTCCAAACCACGTCATCTGATTGTAAGCACAATATG
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TTCTTTCATCAATTCAAAACCCCTAGAAAACGTATACAGATTATATAAGTAGGGATAAGATTTCTAACATT
TCTGGGCTCTCTGACCCCTGCGCTAGACTGTGGAAAGGGAGTATTATTATAGTATACAACACTGCTGTTGC

Table 6
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CTTATTAGTTATAACATGATAGGTGCTGAATTGTGATTCACAATTTAAAAACACTGTAATCCAAACTTTTT
TTTTTAACTGTAGATCATGCATGTGATTGTAAATGTAAATTTGTACAATGTTGTTATGGTAGAGAAACACA
CATGCCTTAAAATTTAAAAAGCAGGGCCCAAAGCTTATTAGTTTAAATTAGGGTATGTTTCAAGTCGGTAT
TACTCTCGTAATACGCTCTGTCCAGAAAAACTCCACGACCATGCATTTATGAAACTAACTGGGACATAATT
TCCAGTGACTTGTCGATGTGACATCAGACACGGCACTTCAGCTTCGGACTACAGGCCTTGCATCAACGCAG
GCCCAAACCAAGCGGAAACGCCACGCACACCTTTAACCCGACCTCAACACCACACCCGAGCGCCCCACTCA
GGGACCACCGGGGGGGGCCACACAACGCCGTCAGGCCCCCAAGAAAACCCCAGACCCCACACACCACACGG
CACGACGCAGGCCCCACACCCCCACGACCCACCTCCCCCCGACACCACCCCTCGCTCCCCGCCCACGACCA
CTACCGAACCCACCGACCGCCACCGCCACCCCTACCACCACCCGCACACACAACCAACACCACCCACCACC
GACGCCAGCGACACCCANN
Table3 5409
NNNAACTGACCTGCATGCCCAGGACACAAGTAAAACATTTGTGAGATAGTGGTGGTAAGTGATGC
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ACGTCTTGCATGTATTACTGGATTCCCACAGTAATATAGACTGTGCATGGTGTGTATATTTCATTGCGATT
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CTACCCCAAAGCCACTACTGACCAAGGTCTCTTCAGTGCACTCGCTCCCTCTCTGGCTAAGGCATGCATTA
GCCACTACACAAGTCATTAGTGAAAGTGGTCTTTTATGTCCTCCCAGCAGACAGACATCAAGGATGAGTTA
ACCAGGAGACTACTCCTGTGACTGTGGAGCTCTGGAAGGCTTGGTGGGAGTGAATTTGCCCACACCTTACA
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CGGGCACTCCCCGGCACAACACGGAACAAGCAGGGTCCAGGTTGCACNN
Table3 5411
NCATGGTACGCGGGGTAACCACCTGGGAAAACTTCACAGAAAATGAGAGTTTCAGATACTGAGAA
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CGCTTCCCCTTCCTCCATGATTGTAAGTTTCCTGAGACCTCGCCAGCCATGCTGAACTGAATACAACATGT
TTAAGACCACAGAACATCTGCATAGGCTGTAAATTTCGTTGAATGATGGATGCAAAGATGGAAGACAGATG
GATAGAGGAAAAGACAGAATCAGATACTGGATGAGTTAGTACCTGCCCGGGCGGCCGCT
Table3 5413
NNNNNCTGGCTAAAGAGTTACTGGGCGGCGTCGGGCCCGGAGCTGCCAGGCGGGAGCGGCGTAGG
CGCGGGGTCGCCGGCCAGCGTGAACCGGGACATGGAGCCGCCCGGCGGGAGCCTGGGGCCCGGCCGCGGGA
CCCGGGACAAGAAGAAGGGCCGGAGCCCAGATGAGCTGCCCTCGGCGGGCGGCGACGGCGGCAAATCTAAG
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GAACAAGCATGAGATCATTCGCTGCTTGAAAGCTTTTATGAACAACAAGTTTGGAATCAAGACCATGTTGG
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AAGGATTCAAAGGCAGAGCCACACTTCCTTTCCATCCTGCAGCACTTACTCTTGGTCCGAAATGACTATGA
GGCCAGACCTCAGTACTATAAGTTGATTGAAGAATGTATTTCCCAGATAGTTCTGCACAAGAACGGGGCTG
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TGAGCTACAGGTGGAAATGAAAAAGATGGAAAGTGACTTTGAGCAGAAGCTTCAAGATCTTCAGGGAGAAA
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CTCACAGGAGAGGTTGCCAAGCTGACAAAGGAACTGGAAGATGCCAAGAAAGAAATGGCTTCCCTCTCTGC
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ACTCTGGCACTATTATTCCACCACCACCTGCTCCTGGGGATAGTACCACTCCTCCTCCTCCTCCACCACCA
CCACCTCCACCACCTCCTTTACCTGGAGGTACTGCTATCTCTCCACCCCCTCCTTTGTCTGGGGATGCTAC

Table 6
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CATCCCTCCACCCCCTCCTTTGCCTGAGGGTGTTGGCATCCCTTCACCCTCTTCTTTGCCTGGAGGTACTG
CCATCCCCCCACCTCCTCCTTTGCCTGGGAGTGCTAGAATCCCCCCACCACCACCTCCTTTGCCTGGGAGT
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TGGTGGTCCTGGAATCCCTCCACCTCCTCCATTTCCCGGAGGCCCTGGCATTCCTCCACCTCCACCCGGAA
TGGGTATGCCTCCACCTCCCCCATTTGGATTTGGAGTTCCTGCAGCCCCAGTTCTGCCATTTGGATTAACC
CCCAAAAAGCTTTATAAGCCAGAGGTGCAGCTCCGGAGGCCAAACTGGTCCAAGCTTGTGGCTGAGGACCT
CTCCCAGGACTGCTTCTGGACAAAGGTGAAGGAGGACCGCTTTGAGAACAATGAACTTTTCGCCAAACTTA
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CTGAGTCTATGATCCAGAACCTCATTAAGCAAATGCCAGAGCCAGAGCAGTTAAAAATGCTTTCTGAACTG
AAGGATGAATATGATGACCTGGCTGAGTCAGAGCAGTTTGGCGTGGTGATGGGCACTGTGCCCCGACTGCG
GCCTCGCCTCAATGCCATTCTCTTCAAGCTACAATTCAGCGAGCAAGTGGAGAATATCAAGCCAGAGATTG
TGTCTGTCACTGCTGCATGTGAGGAGTTACGTAAGAGTGAGAGCTTTTCCAATCTCCTAGAGATTACCTTG
CTTGTTGGAAATTACATGAATGCTGGCTCCAGAAATGCTGGTGCTTTTGGCTTCAATATCAGCTTCCTCTG
TAAGCTTCGAGACACCAAGTCCACAGATCAGAAGATGACGTTGTTACACTTCTTGGCTGAGTTGTGTGAGA
ATGACTATCCCGATGTCCTCAAGTTTCCAGACGAGCTTGCCCATGTGGAGAAAGCCAGCCGAGTTTCTGCT
GAAAACTTGCAAAAGAACCTAGATCAGATGAAGAAACAAATTTCTGATGTGGAACGTGATGTTCAGAATTT
CCCAGCTGCCACAGATGAAAAAGACAAGTTTGTTGAAAAAATGACCAGCTTTGTGAAGGATGCACAGGAAC
AGTATAACAAGCTGCGGATGATGCATTCTAACATGGAGACCCTCTATAAGGAGCTGGGCGAGTACTTCCTC
TTTGACCCCAAGAAGTTGTCTGTTGAAGAATTTTTCATGGATCTTCACAATTTTCGGAATATGTTTTTGCA
AGCAGTCAAGGAGAACCAGAAGCGGCGGGAGACAGAAGAAAAGATGAGGCGAGCAAAACTAGCCAAGGAGA
AGGCAGAGAAGGAGCGGCTAGAGAAGCAGCAGAAGAGAGAGCAACTCATAGACATGAATGCAGAGGGCGAT
GAGACAGGTGTGATGGACAGTCTTCTAGAAGCCCTGCAGTCAGGGGCAGCATTCCGACGGAAGAGAGGGCC
CCGTCAAGCCAACAGGAAGGCCGGGTGTGCAGTCACATCTCTGCTAGCTTCGGAGCTGACCAAGGATGATG
CCATGGCTGCTGTTCCTGCCAAGGTGTCCAAGAACAGTGAGACATTCCCCACAATCCTTGAGGAAGCCAAG
GAGTTGGTTGGCCGTGCAAGCTAATGTGGGTCCTGTGACCGCGGCAGCTCCTCAGCGGAGCCGCAGACTGT
CCTGCCCTGCAGCATGTGCCTAAAGGCTCAAGGGGATATTCCTCTGGGGTGGCCACTCCCACCACCCTGAC
CCTGTCTTTCTCTCTGGCCTGCTGCTCTCTCAACATCACATACAGCTTCAGCTGCCTGGAGGCCAGAAGGA
AAGGGCAGTGCAGGGGAGGCCTGAGCCCGACTTAGCCAGCCCTGGCTGTTGTATTACCAAAGCAGGGTCCA
TGTTTGCTGCCTTAACCCTGTCTCCTCTCTGTTACTCAGAGGCTCATTCAGAAAGGCCACTGCTTTTTTCA
GCCTGAATTTAAGGGTTTCCCTAGGGTATTTGGGGATGGGCCCTGGGGGTCTGCCCGAAAATGGGGGTACT
TGGGAACCCCATGGGGGTCGAN

Table3 5414

ATAGGGGAGTCGACCCACGCGTCCGCAGGAGCAGGAGCTGTTACCCTTCTAATCCCCACAATGAC
CCCAGCCTAATAATACAATGATCCCCAAGTAGAACCAGGGGCCCAAGGCCCCCTCGTCAGCTGGGCTCCCA
CCTCCAAGCTGACGCCCTCAACCACTCTGCTGGGGTGAGCAAACCCAGGCCCCACAGCTGGCTAGCGGGAC
ATCCGTGTCCACGATTGGCGCCATGTGTTTTAAGTTGCAGCGTCAAAAACATGAAGAGATTGCTTTAGCAA
ATATTTACCCAGTCCTGACTCTGCACATGGCATCGTTCTAGGAGCCCAAAGATGTTAACTTGTTTAATAAT
CAAGCCCTGTGAAGGAGTTTATAGCATCTGTGGATTTTGGTACCCACGGAGGTGCTGGAACCAATCGTTGA
GGATTCCAAGGACAACTCTATGATGCAGGCACACCTGTCCTAGGGGGGCATTGGAGGCTTCTAGGAGGTGG
CACGGTGCACGCCAAGATGGCTGTGTCCACAGAGGAGCTGGAGGCCACGGTTCAGGAAGTCCTGGGGAGAC
TGAAGAGCCACCAGTTTTTCCAGTCCACATGGGACACTGTTGCCTTCATTGTTTTCCTCACCTTCATGGGC
ACCGTGCTGCTCCTGCTGCTGCTGGTCGTCGCCCACTGCTGCTGCTGCAGCTCCCCCGGGCCCCGCAGGGA
AAGCCCCAGGAAGGAAAGACCCAAGGGAGTGGATAACTTGGCCCTGG

Table3 5415

NNACCGGGGCCCCCCCTCGGAGGTACTTCTAGGATTAATTGACGCGGGGGGAGCGCGGCGGTGAT
GGCGGGGCCGGTGAAGGACCGCGAGGCCTTCCAGAGGCTCAACTTCCTGTACCAGGCCGCCCATTGTGTCC
TTGCCCAGGACCCCGAGAACCAGGCGCTGGCGAGGTTTTACTGCTACACTGAGAGGACCATTGCGAAGCGG
CTCGTCTTGCGGCGGGATCCCTCGGTGAAGAGGACTCTCTGTCGAGGCTGCTCTTCCCTCCTCGTCCCGGG
CCTCACCTGCACCCAGCGCCAGAGACGCTGCAGGGGACAGCGCTGGACCGTACAGACCTGCCTAACATGCC
AGCGCAGCCAACGCTTCCTCAATGATCCCGGGCATTTACTCTGGGGAGACAGGCCTGAGGCCCAGCTCGGG
AGCCAAGCAGATTCCAAACCACTACAACCCTTGCCAAACACAGCCCACTCCATTTCAGACCGCCTTCCTGA
GGAGAAAATGCAGACTCAGGGTTCCAGTAACCAGTGATGGATTCACCCCATCTCCCAAATAAAGTTTACTT
GTTTTACATTCCATGAAAATCTGTGGGTATTTCACTGGCCGGCGTTTTACAACGTCGTGACTGGGCCCTGG
CGTTACCCAACTTAATCGCCTTGCAGCACATCCCCCTTTCGCCAGCTGGCGTAATAGCGGGGTCCGN

Table3 5416

ACGCGGGGGGGAATGTAAGGGCCACTTCAGCAACAGAAAGGAGTGGTGGAGCGGCTTCTCATCAG
AAAAACAGAACTTTCAGTGCCTGACTTGAGATGTAAACTTGATGGGAAAAATTATTTTAGTTTTGGAAAGA
TCCTCTTCAGAAATACCACTATCTTCCTGAAGTTTGATGGAGAACCTTGTGACCTGTCTTTGAATATAACC
TGGTATCTGAAAAGCGCTGATTGTTACAATGAAATCTATAACTTCAAGGCAGAAGAAGTAGAGTTGTATTT
GGAAAAACTTAAGGAAAAAAGAGGCTTGTCTGGGAAATATCAAACATCATCAAAATTGTTCCAGAACTGCA
GTGAACTCTTTAAAACACAGACCTTTTTCTGGAGANNNNNNN

Table 6
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Table3 5417

NNNCTCGCGATGAGCGCCTCGGTTTATTGGTGCTTTGTTTTTGGTGGCCTGTCTCGCTTTTGCTC
TTCGTTGGTGGTGTCATAAGTGCGTTTTTGGTTGTCCTGTGACTGTGCCTTCTGTCTCCCTCTTTTTTGGC
CGCTTCCTTCTGCAGGTTTCTTGCCCTGGTTCTTCGCGGGCACCTTGGCAGCCCTTAAGCGTGCTACACCC
GTGGCCGGGTTTTCCTGACTCATCCTCCGGGCCTCCTGGCCCCTTCGCTGCCATCCTCGCATAGGTCTTCT
TCAGCACGCTTCAGCTGTTTGTGCTGGGAGCTGGTGGCGCGGTGCAGGGCTCTTAAGAACGAACGGCTTGG
GCGCGGACTGGTATCCGGGGACTGTGACTTGCAGGGTCCGCCATGGAGCCAGAGCAGATGCTGGAGGGACA
AACGCAGGTTGCAGAAAATCCTCACTCTGAGTACGGTCTCACAGACAACGTTGAGAGAATAGTAGAAAATG
AGAAGATTAATGCAGAAAAGTCATCAAAGCAGAAGGTAGATCTCCAGTCTTTGCCAACTCGTGCCTACCTG
GATCAGACAGTTGTGCCTATCTTATTACAGGGACTTGCTGTGCTTGCAAAGGAAAGACCACCAAATCCCAT
TGAATTTCTAGCATCTTATCTTTTAAAAAACAAGGCACAGTTTGAAGATCGAAACTGACTTAATGGGAAGA
ACAGAAAAATTTAGTTGCTACTGTAGATTTACATGATTAAGAGGCAGCTTTAATTGCCATGATCATTCCCT
CTTTTTGGATGTATAAGAACCTTCCGGACAACAGAACCTATTTCTGGAATTGCAGAAGATAACATATTTCC
CTTATTTTGATTTAATCACCATAAACCATACCTATTTAATGAGTGTATTCTGTGCAATTTTTTTCTCAGAT
TGTCTTTAACTTTGTTTTTAAAATGACCTTCAAAATAAACTGTCAAAACACCAAAAAAAAAAAAAAAACCT
CTTGGTCTGGTATGGCAATATTTCTGTTTGGATTGGTATGACATTCTTGCTCCGGTTCAANNNNNN

Table3 5418

NNACGCGTCCGGTCTGACACCAGCCTCCAACTTCATATTCCTTCCACAGGCAACTGTGCACTTGA
CCCAAGGTAAAATGAAAGGGCTGCCAATCACTCGGACTCCAGAAGGTGCCTGCCCTGAGAAGAGCTGGCAT
GTTACCTCCCACATACATTTCCTGTCATCCTGTCCGAATCTGGGAAATTTTGCTCTGGAGTATTTTCAAGA
AAGCGCATTGTGTTTTAATGAAGTATTTTTCAGGGTTCCAATGTTATTTTTTATAAATGCAGCATTTTAAT
GGCAGATTCAATATGAAGGACATGTCTTCCTGGGCTCTATATTTGATTTTGGAAGGCAGCATACTCTAGGA
GAAAAAAAGCATAGGGCTGAGGCTCTGAAGACACAGCTTCCAGCCCTGGCTTTGTCTCCGAGGGGGAGTCA
TGTTCCCCACTCAGTGCCTCAGTTTCCCCATCTGTAAAATGAGGGGCTTTGACTAGATGAGCTCTGAAGTT
TCATCCAGCTCTTACACTGTAGGGCTTTCATTCCCTGCCAGCACCTGCTCTCCCCGTTCCTCCCCACCTCC
ACTGAGCTGCACACATCCCACAATGCCTGCCCCACAGCGATGTCCTCAGATGTCCTGGACAGCCACCGCAC
TCCTCACTAGAGCCTGGGGTGGGCCTGATGGGCTCGGCCACCCAGGGATGCCCTCGTACCTGAAGTTTAAG
GGCCTAACCATTCAATAGGTCACCAACTGTGTGCCCATGGGAAGGCCCTCTTGTTAAAGGACACACCTGAA
ACCATCCTTAAGTGACTGTGGGAATTCTGGGGGTATTCTTGAGTTTGGAGTTTCCATTTGGATACGGTCCT
TATAGCTGGAGGGAGGCGGTTCCAATTTCAGAGAGGGAGCTGGCTGGAGAGAAAGGTCTGGAGGTTGGCCC
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GGCTGTTGTGTGGCAATGAATGTCATGATAACCCACTCTGGAATATGTGTCCTGAAGACCAAGTCTGGACA
CTGAGGCTCCATTCCAACTGGAGGAGGAGGCATCTCCATCTGGGCTGCTAGGAAGGGGCACTCATCCCATC
CTAGTACCTTTGTAGCCCTTCGTCATGACACTACCGTCCTCCCGGTGAAGGCTTGTGAAGCAAGAATGGAG
AGTCCAAGTTTGTGATATTCAAACCCATCTTGTAAATCAGCAAACACATTAACCTTCCATCAGTCAGAGAA
ATAATGTTGTGGCTGTGTGTTTCCTTAATGCTCTCCCTCCTGAGGGAGGAGAAGACCCTGCTCAACTTTGC
TGCCCACCCTGCAGTGACCCCTGAATGCCACACCATGGGAGGACTCATTCATTGGCTTTGTAGTGGCAAAT
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TAGCCCAATTTATGAATTCCATGTTTATTATATGGTAGTACTGATGAAAAGTACCTTTCTATCTGTATCTT
TGCAGTTTCTTCGTTACTCATATGTAAGCCTCATGGTAAGCAGTGCTCTAGTAACTGCTTCTCTGTACAAA
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AAAAACACAAAAAAACGTTGGGGCGCCCGGCCCAAAAGTTTCAAACACTCGTGGGGCGCGGCCCCAGGGGT
AGGACATGGCAGCGGGTCCAGGAACCCGGCCGAAGGCGGGGTTCCCCCAAAAAGCCGGGCCCGGGTTGAAC
AACCGGGGTTTGGGCTGGGTTAAAGGGCAGGCTCCN

Table3 5421

NGTAGATGCCGCGANCTGGGTTCTTGGAAGCAGCCCCCTGTGCGGGCCTTCCGGGTCTCGCAGCC
TGAAGCCTGGATTCCAGCAGTGAATGCTAGACAGAAACCAAGCCATTAATGAGATGTTATTACTGTTTTGG
GCCTCCATGCCCCAGCTCTGGATGAAGGCAAAAACTGTACTGTGTTTCGCATTAAGCACACACATCTGGCC
CTGACTTCTGGAGATGGATCCTTCCATCTTGTGGGGCCAGGACCATGGCCGAAGCCCCTTGGAGAGAGAGG
CTGCCTCAGCCAGTGGCACAGGAGACTCCAAGGAGCTACTGACATTCCTAAGAGTGGAGGAGGAGGAGGAG
CCTTGCTGGGCCAGGGAAACAAAGTTTACATTGTCCTGTAGCTTTAAAACCACAGCTGGGCAGGGTGAGAA
GCTAGATGCCCCTGCAGTTTGGCCCTGGAGCCAGGGCAGAGGAATGTAGGGCCTGCATGGAGAAGGGTTCT
GCCCTGCCTGAGGAGGAGGACACAGCACAAGGGCACATTGCCCATGGCTGGGAACATGACCCAGCCTGAAA
GATACAGGGGATCATGTTAAAAATAGCAGTATTATTTTTCGTCTCAATGGTATTGTAACTAAGTTATTTAC
TCCTCCTGCTCCTCACCCCTGTAGGGAAACCTTGGAGAGGAGAGTGGCAGGTGGGCTGCCTGCTGTGTTAA
GAGGACTTAGTTTGTGATGTAAGGCACTGTCAGGAATGGGGGGCGGGCCAGGGTGGGAAGAGAAGAAATAG
CAGAGCCTATTTTGGTGAGGTTTTTTGTTTTTAAGTCAAAGAAGACTCAGTATGCTTTCCCTGAGGAATGA
AAAAGGGATTGAGGAGTTGCCTGACTCCTGGGTGGGTGGGGTACAGGCAGTTAGGTGCTGAATGAAGCTGC
CATCCTTGCTGCAGCTTCTAACTGGTAAAAAGATCCAGGGATGGAGATGGGAAGGTTAGAAGGCGGCTTAC
CTCTGAGCAGAGCGGGGTCAGGCCGTGGCGCAAGGTGCTCTTAGTACCAGTTCGCCAAACTATGCGCTTTG
GTCCGTGGCTTGGGTTGGCCCTTAATGGGCAAATCCN

Table 6
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Table3 5423
NNACTACTATAGGGCGACTCCGAGCTGCGGCGGCCGAGGACGCGGGCACTCCTCTCTCTCTTCCT
CTCTCACACGTTCTCCAACCCAAGGAGGCCAGACAGAGGGACGTGGTCACTCTCTGAAAAGTTCAACTTGA
GAGACAAAATGCAGTGGACCTCCCTCCTGCTGTGCAGGGCTTTTCCTCTCCCAGGCCCAGTATGAAGATGA
CCCTCATTGGTGGTTCCACTACCTCCGCAGCCAGCAGTCCACCTACTACGATCCCTATGACCCTTACCCGT
ATGAGACCTACGAGCCTTACCCCTATGGGGTGGATGAAGGGCCAGCCTACACCTACGGCTCTCCATCCCCT
CCAGATCCCCGCAAGGACTGTTGGAGGAGAGTTAGCCCAAGTATAGGCTCTGCCCAGATGCCATCACATCC
CTGATACTGTGTATGCTTTGAAGCACCTTCCCTGAGAAGGGAAGAGGGGATCTTTGGACTAGGTTCTTGGC
TCCAGACCTGGAATCCACAAAAGCCAAACCAGCTCATTTCAACAAAGGAGCTCCGATGTGAGGGGCAAGGC
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ATTAN
Table3 5425
NNNNNNNNNNNNNNGCTAGGAATGGGAAGAATTTCCAGTAGAGACAGGGTTTCACCATGTTGGCC
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GTAAGCCACCGCACCCAGCCAATATAGGACATATTTTAGTTATATAAGTTCATTCTGCTTTGTCCAGTAAA
GCAATGTAATCTATCCTACCAGTAAGTAGAGACTACCTACACAGTAGTGAAAGATCTAGCCATTTCAAGAG
GTCAAGGGACAATTCTGTAAATAAATTGCATCTAAGTAGTTCCTTACTACTCACAACATGCTCTAATAGTG
TGAAGAAATTAATTCTTATCCCAAAGAATATACTTTTCCTAGTAATGATAGGCTTCATATAATTGGAATCT
AAGAATGCTTTAACAATTCTACCATCCCGCGTACC
Table3 5427
ACTTCAGGGGACTGTGGACGTCTGTCTTGATGGATTGGATGGCGAACTCGGGCCGGTAGGACCCG
CACCACACCTGGGCATAGTTGATGAAGAAGAGCTGCTCATGGGTGAGATCCAGGCCGGGCAGCTGCTGGTC
CTTGCCACCCTCTGCCATCCACTTGAGGTAGGCCTATAGGCTTCCGCACCCCTCCGTTGTCAGCAATGTTT
TCCCCAAGGGTGTTGAATCCGTTCACCTGCGCACAGGAGACAGGATTGGGGCAGCCCCGGCCCTGACTTCC
CTCTCCCTCAGGGCCAGGGCTGGGGCTCCGGTACCCCCGCAGCCTGGGTGCTGGTGGCAGCGCTCACGTTC
TGTTCGTCTGCCAGGTCCCAGGAGTAGTTGCCGTACTGGTAGATCATGCACTCTGACTGCTCCCGGAAGTG
CTGGGTGGAGAAGTTACTCCACCAATCCATCATGTTGCCATTCTTGTCGAAGTTCCGGCCTGGGCAGGGGC
AGAGGAGGGCTGCCCACATGCCCCTGGCTGCACTGTGCCTGGCCCCACGGCAGCCACTGTGCCTGGTCGCT
CCTGCCCCTCCTGCAGCCAGCCCCAGTGCGGAGAGCCCACAGTCTGAGTAGGCTGAGCCTGGAAGAGCATC
GCGGGCTCCAAGGGGCAGCAGCTGTCTGGGGCTACACAGCCCCCAGAGAAGGAGGGCTTCAGTGGTCTCCC
ATGCCACCCCCCGAGGCTAGGGCCTAGCACCTGGGTCCTGTGGTCTTGGAGGCATCATGGTTTACGGGCTC
CTCCTGGGATGCCCAAACTCTAAGTTCCAGGCGAGAGGAGTACGTGGTCCCTGGGGACAAGGACTGCCCAC
GGAAGGTCCGGATGGCCGAGCCACAGGGGAAAACCAGCTGGGGCCCCTGTCCCAGGCACGGCAGTCCCCAC
CGAGGGGCGGAGGTCAGCATGGCCATGGCGGGGGTAGCACACCCCCCGGTGGAGGATGCTGGCCATCTGGA
GAGTCTCCCAGGCTGGGATCTGGGCTTCGCTGCTGTATTGGGCAGTGTTGTCGTCCCCATGTCACAGGCCG
TGGGAGGGAAGTGCCCAGTGCCAGGTGGAGTCAGGGTCATGGGCTGGAGTCCCTGGGTCCCCTCCTCCATG
CTGGGAGTCAGTGCCCCCAGACAGGGCCCCAGCCTGGCATTCAAAGCCTGCTCTGCCCCCACAGCTCCCTG
AGGACCTGGCCTCGGTGTCCCCACTGAAACCGTGAAGGGGTTGAATGGAGCGCCCCCAGGCCCCTTCCTGG
CTGCTTCTCCGCGGAGAGGGGAGGGCGTGTGTGATTGGAGGGGCGGCCGCTCACCATTGTCGTCAAAGCCG
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CCGCCGCCCCGATGATCCAGAGATTTGGGTCCACCTTTTCCCGAAGCTTCCTGAGGCTCCGCTGGGCGCCC
ACCTTGAGGTTCTGCAGACTGTTCTCAAAGTACAGGTCCTCTGAGAAGTTCAGCTACGGGAGAGGGGCAGT
CACTGCCAGATGCTGGGGCCGGGCCCTCAGAGGAGCAAGGGGAGAGGTCCTGGGTGGTTGGGGAAGGACCT
CAAGCCTTGCCAGGCGTCCGCACGTGGACAGTCGGCTGTGGGCGCAGG
Table3 5429
NNGTCGCCATTGTGACCCGAGAATTTAATATACTTGTGCCCCGCGCGTGTTTTGTTAACCGTCCG
CCCGAGTGTCCCCTCAATTTCTACCCCTCGCCCCTTAACCCAAAGCTAAATCCACCATCTGGTATTCTCCC
CTAGAGCACCAGATGACCATCTGAAGCTGGACAAGTGTCTCTAACAATAAAACATTACTGTTTACAAAACA
AAAAGCACAAACATAATTATGGAATAAATAAAAAACAAGGGACAAACAGCCAACTGACTCTACCCACTTGG
TGAGAAGTGATATACTTCAACTATTTTTTTAATGCTTCTGAAAGTTTCTTGGCCCACAGAGGACTAGGGTG
CAATCATTCCCTGTGTTAGTGAGTTGGGTTTAATGCAGCTTCAAAATTAGGGTAAAGGGACTTGGTGAAAT
GTTTACATTAAATATTTCACTCCTACCCATTCTTCAGGAAAAAAGGTGAGCTCAGCAAGGCTGGATGCCAT
TAAGAGATATTTACTGTTTTCTTTTTCTATAGCTAAAAAAGCAAACTTTACACGAAGAAGCTCTTGATTAA
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AGAAAAAATAGGTCTGGTTGTTGTCCCCCTTTTTCCACCTGCTGCTGGACAGTGATGAGATGCTCACAGAA
GAAAAAGGCCTGGCTTTGTACCAGGCTGGCGACAGGTGCTACCAGGAGTGGGCTGAGGGGAGAAAAACTAT
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GTTCGGCTCTGTATAAGGACCCTCCCCTCCCAACCCCAACCCCAGAGTGCAGTGCAAATCAACCAACAATT
TACTGGTGGAATGGCAATCAAAGGAAACAGTTAAACACCAAACAATTTCTTAAAGCCAAAAAATATTTTTC
ATGGAGTTGAACATTTTTCGAGTGTGTTTTTTTCAAGTGTAAAAGCAGTGACATTTTGTTCAAACAGAAGC
AGCATCTAGGAATTCTGGCACTTGGGTTCTAGGGGGTTACAGGTATGCATCATGGATTCTTCTCCCTCGTA
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Table 6
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TTGCTTTCTGATTCAGAGGTAAGTCGAAGTGCAGAGAAAGAAACTTACAAAAGCACAACCACCAAAGGCAG
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CATCCCAGGCCATCTACTGTCTCCCTCACCTGCCCTAACCTTTTCTGAGTCCCTCCCTCTCTTGTGCAAGC
ACTGTAGTTTAAAAAGGAAAAAACACCCCCCACCATTAAAAGACAACCTTCAAATGTTACTCAGTATATAA
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GCTCCTTTGCTTCACGTAAGATTAACACTTTCCCATTCCTCTGAAGTTGCTGGAAGGACATTTCCCAGGAA
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CCCCAGCTACCTCCCATGTTTCCAGGTATCATTGGCTCTTAACTCCCACAAGCCTGCCTTTTGGCTACCCA
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CCTCTCAGTGAACGTGCTCACAGTCACACTTGGTTTGGCTCCCCAAACCCACAATAGAAAAGGAAAAATGA
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GGGTTTGCCGTCCCAACTATGCAGCTGAGAGGTCGCCAGCTCCTGTGCCTTCCCAGCCCCACTATAATTGG
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TCATGGGACCAAAAAGTATCTTGGCCCTTTGGGAGTTTCCTTGTCAGAAAGTATAAGCCTCAACAGGAAAT
AGAGGCTCCTTCTCCTTTGAGTTCAATACCCTCCCTGTGTCCTACTCACCAGGAAAATAAGTGTGTTCATA
TCCCACCTAATTTACAACAGAAGATAACCCCATCCCATCCCCAAAACATAAAAATACAAGTCTATGCCCAT
AGAACN
Table3 5430
ctaggttcgaggctggggttaaatcggccgaggtcagcctaggctataaggtgtattttatCAcc
tacagaccatatgcAGACTAAATACAACActtgtGCCTGATTCTGAATGGTATCTTATATCAAAAGGCTCC
CTTAATTTTAGCTcttgcTTCTCAAGCTTCTCTCTCAACTTATCAGAACTGCCTATAGTAACCAAAATGGA
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CAGAAGGCAGTATGTGCTGCAGAGTACATAAGAAGAGGCTTTAAAATTTAGTAATTCACAACATCCACTTA
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TCCTCCTGCTTCCCCGCCGCCGCCGCCGCCATCATGAGGGAAATCGTGCACTTGCAGGCCGGGCAGTGCGG
CAACCAAATCGGCGCCAAGTTTTGGGAGGTGATCAGCGATGAGCACGGCATCGACCCCACGGGCACCTACC
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TGCGGAAGCTGGCTGTGAACATGGTCCCGTTTCCCCGGCTGCACTTCTTCATGCCCGGCTTTGCCCCACTG
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GAACATGATGGCTGCCTGCGACCCCCGCCATGGCCGCTACCTGACGGTTGCCGCCGTGTTCAGGGGCCGCA
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ATCCCCAACAATGTGAAAACGGCTGTCTGTGACATCCCACCTCGGGGGCTAAAAATGTCCGCCACCTTCAT
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AGGCCTTCCTGCACTGGTACACGGGCGAGGGCATGGACGAGATGGAGTTCACCGAGggcCGAGAGCAACAT
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tctcccgctttggtcccctcccctgctggtctcgcctctcattggcccgagtgctcgcggcgcttaatctac
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Table 6
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cgcttgtgacaagtgttcagtggtgttccaagtatcctggcgtatcgcggcggattgcaaaggtgttgggt
taccggcgtacggtctttggccttttgtcggggctctctctg
Table3 5431
NNNNNNNNNNACCAGACTCCGGGGTCCCTGTGGAAGGGCCACCCCCACCAGAGCCCGTATGCCAC
CAAGGCAGTCAACACCCAGCCGCAGATCAGCACCTCTCAANGTCATCACCACACCACGGTGGTGCAGCCCA
ACGGCATGCCTGCAACGGTGTACCCTGCTCCCATCCCCCCTCCTAGAGGCAACGGGGTCACCATGGGCATG
GTGGCTGGGACCACCATGGCCATGTCAGCAGGTACCCTGCTGACTGCTCACTCCCCAACTCCTGTCGCCCC
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GATCACCTGCAAATGTTTGAGGACGGAGCTGTGCAGTCACATTATTGGGGATTCCACAGCTGGTGCTGCAG
GCCTTGCGCCTCCAACCAGGACTTTCTTCTTAATGCTCTCGACACTTAGCTAAACACGACTATATCCCGGC
CCAGCAGGCCCCAGCGCCGTTAGTCTCCAGCTGACTCTGTGGGTTGGTCTTAAAGCAAATTCTGTTTTGTG
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ATCATATGCAAAATCCAAAGGAATGGAAACGTATTTTACAACTTGTATCACTAATGCACTGTTGTAATGTA
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TTCAACCTTTTGGGGTTGATGTGGGTTGCCAGTTAGGGATGTGGACATTTTAGTTTTCAGCGACCTGTTTC
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GCAGTTTCTCTGCTATCTAAATTTTCATTACAGTTCTCTTAGAGAGATGATGTTTTTATATGTCTTTATTG
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AGACAGCAGAGAGGGCCAGGCAGTGCTGGAGTGCGTTTGCTGGCAGGGTTTATTGTGGGAGAGGAATTTGA
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Table 6
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TATCTTGGTCCACAGGACTGAAGTGAAGTCACTTGGGAAGGGGAGACAGAGGATGAGCGGCGTCTGTGTAG
GGACCCCCCCCCCGGGCCTGCAGAAGGGTGGTGTGCTCCCAGGACTGGCATGACAGGTGTCTCCTCCTCACC
ACAGGCTGTGCCCATGAGTCCCTGTGCAGACCAGTGGGCAAGGCAGCTGGGCCCAAGGGGGGGGCCAGGAG
GCAAACGGGTAAAAAAACGCGGAAAAAAACGCGGTAAGGAAGANNNNN
Table3 5433
ACTTCACTGCTCTAAGTAGGTGCCCCACTTTGATAAAGTGCTGTCCCAGTCTGTGCTGTCCCAGT
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GCCTGTTCTGCCATGCTCTTATGAGTCCGAAGGGCAGCATATGCAGTTACTAACTGCTTCCCAGTCCAGGG
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Table3 5436
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Table3 5438
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CCAGTGGCTCCTTGTGGT
Table3 5439
NCAAATTTGTTTCTGTGTGTGTAAAAGGAAAGGCTTCATATCTAAAATGACTTTACCTCAGTATA
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Table 6
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GAATTAGTTCGCGCGCAGATTGCCATTTGCGGCATGAGCACCTGGAGCAAAAGGTCTCTGAGCCAGGAAGA
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TGTTGTTTGGGCGGGTCCTATTTTTGAAATTGAATTTTAGGTGAATCCTGGGGGAAATCCTGTTATTAGTT
GAAACTAGGGCTGTTTTAAAAATGTGTGTTAGGGGAAAAATGGTTTAAAAAAAGGGGGCNN
Table3 5441
gcGTcCGCgcGCTCGGGCTCCgtcagTTTCCTCGGCAGCGGTAGGCGAGAGCACGCGGAGGAGCG
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GGATGGTGATGAGGTAGAGGAAGAGGCTGAGGAACCCTACGAAGAAGCCACAGAGAGAACCACCAGCATTG
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AAAAAA
Table3 5442
NNNNNNNAAACTATTTTGGATTAAGGTCAATTAGGACTAACATCTAATACGTGTATTTTGGTTTC

Table 6
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CTCACCTCTAGGCACAGACCCCACAGGCTCCTCGGACACTGGGTCCATCACCTCCTGCCCCATCATCCACT
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Table3 5443
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CGGGAGTTGCTGACAGCCATGGCGCCGCAGGTCTGGCGTCGACGGACCCTGGAGCGGTGTCTGACGGAAGT
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Table3 5444
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TATGGTGCCCTTCTCATTTTTAACAAGCTGCTTTCGAATTGCAGAATCCCGTCTGAAGCACAACGCCTTAC
AACATGGGCCAAGATTACTAAGAAGACTTGCTCTTTCTTCTTTTCGTAGTAATGCAGCCATATTGAGAGCC
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Table 6
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TTTGGCAAAGAGTTCAGAACCTGCCAACTTTTTAGAAATCCCAACTCTTAGCATAACAGCTCCAGGTGTGA
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AATCCCTGCACAGATCCCAGATCTTTATCCATTCTCTCTTTATCCAAGGCTAGAGAGTCTCGGGAAGTGCT
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CAAAAGTTCTGTCTCTGTCTCTGTCCCTGTCCCTTTCAACAGAATCAGAAATTAGTCTCTCTCTTTCCCTA
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Table 6
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CAAGCCTCTCAAATACACTGGGTCTTCGGGATGTGCTATCAGATATAGTCTTGGTATTTTCCACTGTGACC
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Table3 5445
GAGATAGGGTCTTCTCTGTCACCCAGGCTGGAGTGTGGTGGCACGATCTCAGCTCACTGCAACCA
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Table3 5446
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Table 6
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GAACCTTTGACTGGAGATGCCACAACTGAATTATCTCAAGATTCCAAAACCCTGAAAGTAGATGAAGAAAC
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Table 6
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CACACCTTCCCCTTGAANN
Table3 5448
NNNNNNNNNNNNNNNNNNNNNNNNNGGTCTTTTGTGTTGTAAAGGTTGTTGGTGTTAACCATAAT
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